

Converting Colors

XYZ(87.4351, 100.0000,
81.3187)

Have a look what the booklet for
XYZ(87.4351, 100.0000, 81.3187)
contains.

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Color

**XYZ(85.0328, 95.4592,
80.2734)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFDA
RGB	242, 255, 218
RGB Percent	95%, 100%, 85%
CMY	0.0510, 0.0000, 0.1451
CMYK	0.05, 0.00, 0.15, 0.00
HSL	81°, 100%, 93%
HSV	81°, 15%, 100%
XYZ	85.0328, 95.4592, 80.2734
YIQ	246.8950, 4.1290, -14.2630

Conversions

Conversions Part 2

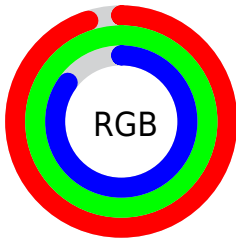
Format	Color
R_{YB}	218, 255, 231
Decimal	15925210
CIE _{Lab}	98.22, -10.53, 16.25
CIE _{LCh}	98, 19.363, 122.944
Yxy	95.4592, 0.3261, 0.3661
Android (android.graphics.Color)	4294115290 (0xFFFF2FFDA)
YUV	246.8950, -14.2452, -4.2929
Hunter-Lab	97.7032, -15.6290, 19.6793

Details

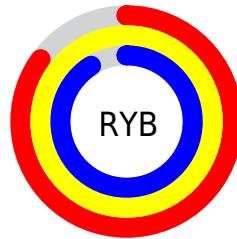
The XYZ color **85.0328, 95.4592, 80.2734** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.0773, 74.3529, 104.9496**, and the grayscale version is **88.4318, 93.0372, 101.3175**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0546, 53.4716, 42.4913** is the 20% darker color. If you saturate the color by 10%, you get **78.9480, 92.6787, 63.8891**, and if you desaturate by 10%, it is **91.7829, 98.5233, 99.3714**.

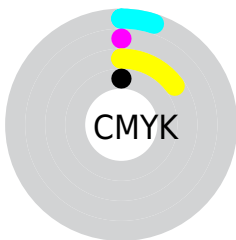
Distribution



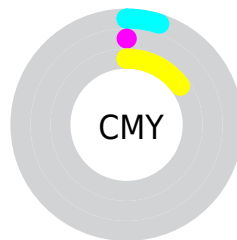
- Red (95%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.0328, 95.4592, 80.2734 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 85.0328, 95.4592, 80.2734 by changing the saturation by 10% instead.

 85.0328, 95.4592,
80.2734

 85.0328, 95.4592,
80.2734

500.2186,
545.6340, 515.5848

 64.1911, 72.5172,
59.4159


139.3328,
154.8989, 135.5649

 47.0677, 53.5813,
42.5258

173.5218,
192.1653, 170.8360

 33.2974, 38.2670,
29.1846


212.8905,
234.9754, 211.7487

 22.5147, 26.1900,
18.9737

257.8044,
283.7135, 258.7214

 14.3543, 16.9658,
11.4747

308.6288,
338.7640, 312.1729

 8.4508, 10.2101,
6.2689

365.7291,

 4.4390, 5.5385,

400.5114, 372.5216

2.9378

429.4706,
469.3399, 440.1860

■ 1.9533, 2.5666,
1.0630

■ 0.6076, 0.9099,
0.0000

■ 85.0328, 95.4592,
80.2734

■ 85.0328, 95.4592,
80.2734

■ 78.9480, 92.6787,
63.8891

■ 91.7829, 98.5233,
99.3714

■ 73.5012, 90.1705,
50.0909

95.0500, 100.0000,
108.9000

■ 68.6656, 87.9238,
38.7475

■ 64.4116, 85.9263,
29.7142

■ 60.7064, 84.1647,
22.8311

■ 57.5137, 82.6242,
17.9181

■ 54.7911, 81.2876,
14.7656

■ 52.4875, 80.1342,
13.1166

■ 51.3619, 79.5631,
12.6502

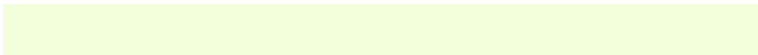
Harmonies

Analogous

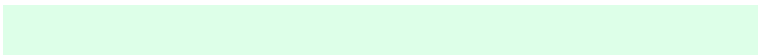
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1824, 95.4592, 76.2274



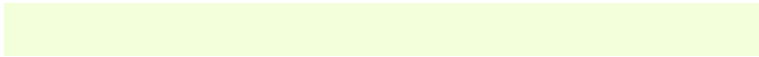
85.0328, 95.4592, 80.2734



81.5271, 95.4592, 90.6071

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0328, 95.4592, 80.2734



85.9481, 95.4592, 133.7045



101.8481, 95.4592, 102.3721

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.0328, 95.4592, 80.2734



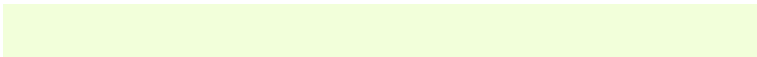
76.0773, 74.3529, 104.9496

Split Complementary

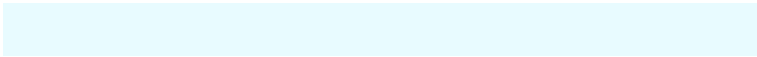
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.6030, 95.4592, 118.5181



85.0328, 95.4592, 80.2734



91.2820, 95.4592, 137.6639

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



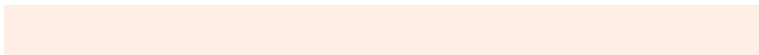
85.0328, 95.4592, 80.2734



82.0401, 95.4592, 121.5199



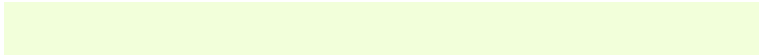
96.6785, 95.4592, 131.8507



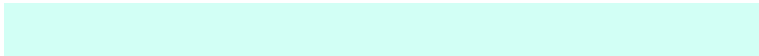
100.0152, 95.4592, 88.1409

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0328, 95.4592, 80.2734



80.5158, 95.4592, 100.2178



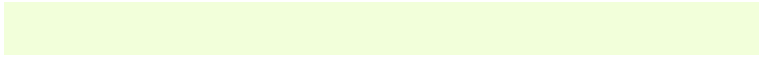
96.6785, 95.4592, 131.8507



101.7758, 95.4592, 107.7509

Sweetspot

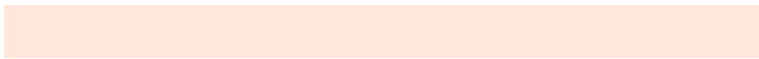
The Sweet Spot groups the original color and five complimentary colors.



85.0334, 95.4595, 80.2748



92.1447, 98.6870, 100.4182



82.4574, 83.4466, 78.0919



19.6085, 21.0713, 21.1631



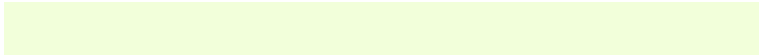
0.0000, 0.0000, 0.0000



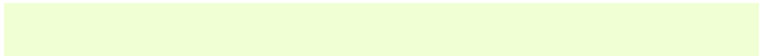
20.3446, 21.4041, 23.3091

Same Dimension

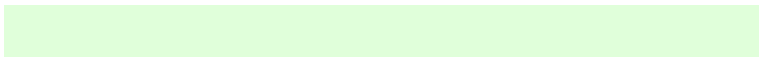
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0334, 95.4595, 80.2748



83.4564, 94.7407, 75.9443



79.0168, 92.3578, 79.9932



18.9055, 20.7527, 19.1536



27.0055, 41.6599, 6.6178



2.7479, 4.1173, 0.6499

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



76.0773, 74.3529, 104.9496



73.1470, 70.4437, 104.3495



82.3496, 77.5864, 105.2431



17.6050, 17.6881, 22.7362



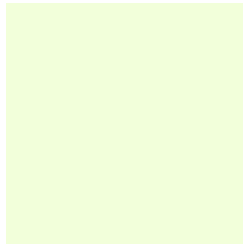
11.7596, 4.9728, 49.7746



1.2580, 0.5425, 4.8517

Previews

White Background



This preview shows how the XYZ color 85.0328, 95.4592, 80.2734 looks on a white background.

Color Contrast Check

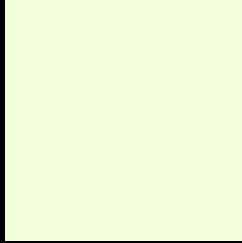
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 85.0328, 95.4592, 80.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

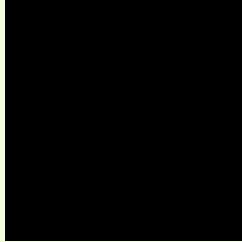
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

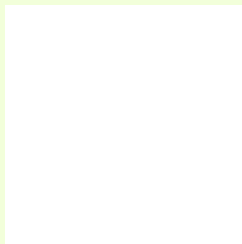
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.0328, 95.4592, 80.2734

Background



This preview shows how black text looks on a background with the XYZ color 85.0328, 95.4592, 80.2734.



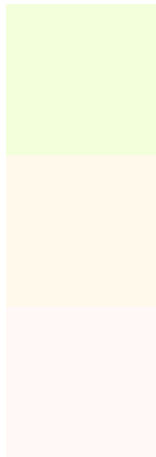
This preview shows how white text looks on a background with the XYZ color 85.0328, 95.4592,

80.2734.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.0328, 95.4592, 80.2734

Protanopia

90.2560, 95.0675, 92.9497

Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

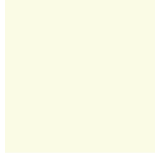
91.3500, 95.2954, 108.1869

Trichromacy



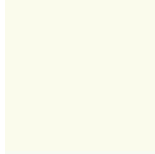
Original Color

85.0328, 95.4592, 80.2734



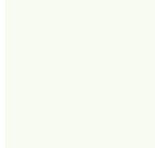
Protanomaly

88.0644, 94.9755, 87.8194



Deuteranomaly

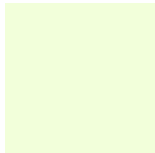
89.0618, 95.3745, 93.0719



Tritanomaly

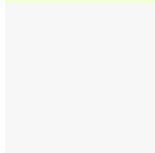
88.8820, 95.1793, 97.6913

Monochromacy



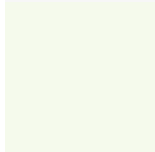
Original Color

85.0328, 95.4592, 80.2734



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

86.9821, 93.8398, 92.8853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0328, 95.4592, 80.2734 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(242, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 218)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(242, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 85.0328, 95.4592, 80.2734 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(242, 255, 218) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(242, 255, 218) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(242, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0328, 95.4592, 80.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 218) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(242,  
255, 218) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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