

Converting Colors

XYZ(107.4588, 100.0000,
52.4034)

Have a look what the booklet for
XYZ(107.4588, 100.0000, 52.4034)
contains.

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Color

**XYZ(79.1652, 85.3493,
50.8297)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEAB
RGB	255, 238, 171
RGB Percent	100%, 93%, 67%
CMY	0.0000, 0.0666, 0.3294
CMYK	0.00, 0.07, 0.33, 0.00
HSL	48°, 100%, 84%
HSV	48°, 33%, 100%
XYZ	79.1652, 85.3493, 50.8297
YIQ	235.4450, 31.6390, -17.2330

Conversions

Conversions Part 2

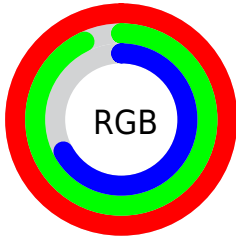
Format	Color
RYB	192, 255, 171
Decimal	16772779
CIELab	94.03, -3.84, 34.56
CIELCh	94, 34.777, 96.347
Yxy	85.3493, 0.3676, 0.3963
Android (android.graphics.Color)	4294962859 (0xFFFFEEAB)
YUV	235.4450, -31.7714, 17.1497
Hunter-Lab	92.3847, -8.7151, 32.0481

Details

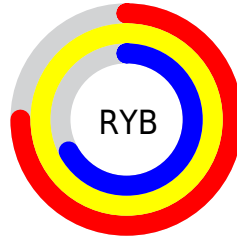
The XYZ color **79.1652, 85.3493, 50.8297** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.8274, 51.8429, 101.8301**, and the grayscale version is **79.5245, 83.6659, 91.1122**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **43.0239, 46.6342, 23.8732** is the 20% darker color. If you saturate the color by 10%, you get **75.4854, 81.5114, 38.7463**, and if you desaturate by 10%, it is **83.3612, 89.4686, 65.4004**.

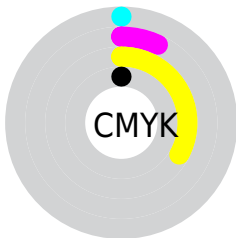
Distribution



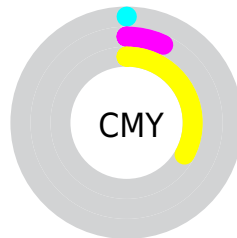
- Red (100%)
- Green (93%)
- Blue (67%)



- Red (75%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (7%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.1652, 85.3493, 50.8297 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 79.1652, 85.3493, 50.8297 by changing the saturation by 10% instead.

79.1652, 85.3493,
50.8297

79.1652, 85.3493,
50.8297

480.8945,
512.7832, 406.7294

59.3377, 64.1300,
35.6973

131.1481,
140.8611, 92.8119

43.1325, 46.7560,
23.9127

164.0343,
175.9224, 120.4988

30.1840, 32.8428,
15.0573

202.0040,
216.3666, 153.2076

20.1271, 22.0061,
8.7125

245.4228,
262.5779, 191.3569

12.5963, 13.8613,
4.4599

294.6558,
314.9408, 235.3652

7.2262, 8.0243,
1.8809

350.0686,

3.6515, 4.1105,

373.8398, 285.6510

0.4805

412.0264,
439.6591, 342.6329

■ 1.5070, 1.7356,
0.0000

■ 0.3306, 0.4465,
0.0000

■ 79.1652, 85.3493,
50.8297

■ 79.1652, 85.3493,
50.8297

■ 75.4854, 81.5114,
38.7463

■ 83.3612, 89.4686,
65.4004

■ 72.2881, 77.9317,
29.0024

■ 88.0923, 93.8684,
82.5843

■ 69.5452, 74.6016,
21.4424

■ 93.3841, 98.5625,
102.5052

■ 67.2228, 71.5068,
15.8898

95.0500, 100.0000,
108.9000

■ 65.2818, 68.6311,
12.1405

■ 63.6749, 65.9550,
9.9469

■ 62.6931, 64.1662,
9.0810

Harmonies

Analogous

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



88.4940, 85.3493, 53.5384



79.1652, 85.3493, 50.8297



70.9987, 85.3493, 57.5461

Triad

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



79.1652, 85.3493, 50.8297



67.5810, 85.3493, 126.6302



98.5902, 85.3493, 114.9797

Complementary

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



79.1652, 85.3493, 50.8297



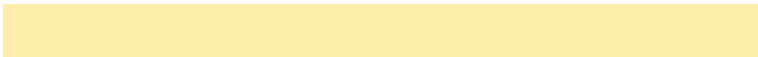
52.8274, 51.8429, 101.8301

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.



92.1644, 85.3493, 140.4711



79.1652, 85.3493, 50.8297



74.1711, 85.3493, 148.0444

Square

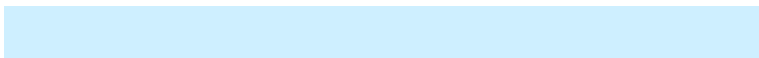
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1652, 85.3493, 50.8297



64.6475, 85.3493, 98.6958



83.1107, 85.3493, 153.5401



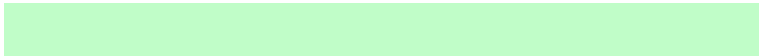
100.1814, 85.3493, 87.3949

Rectangle

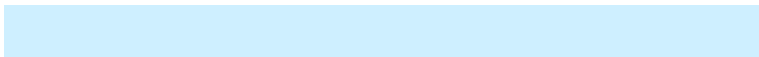
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.1652, 85.3493, 50.8297



67.1559, 85.3493, 67.3892



83.1107, 85.3493, 153.5401



96.9013, 85.3493, 124.2267

Sweetspot

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



79.1673, 85.3532, 50.8315



89.5890, 95.2176, 88.1523



65.0106, 54.0696, 55.2691



19.0213, 20.2418, 18.2922



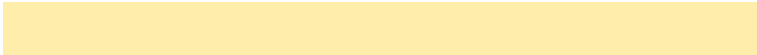
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

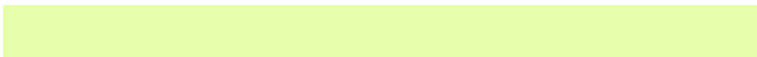
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1673, 85.3532, 50.8315



76.5164, 82.6132, 42.0501



76.1307, 91.4827, 52.1746



19.2308, 20.4297, 19.0741



32.8678, 33.7469, 4.7815



3.2755, 3.4364, 0.4907

Inverse Universe

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



52.8274, 51.8429, 101.8301



46.2526, 44.1238, 100.6867



55.0678, 47.9224, 100.9553



17.3006, 17.9728, 22.8072



10.1470, 5.2035, 49.9042



1.0609, 0.6526, 4.8833

Previews

White Background



This preview shows how the XYZ color 79.1652, 85.3493, 50.8297 looks on a white background.

Color Contrast Check

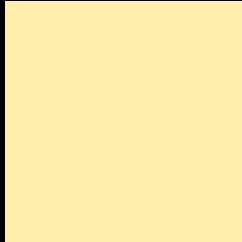
Large Text (above 18pt) WCAG AA × Fail

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 79.1652, 85.3493, 50.8297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

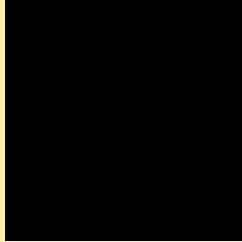
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.1652, 85.3493, 50.8297

Background



This preview shows how black text looks on a background with the XYZ color 79.1652, 85.3493, 50.8297.



This preview shows how white text looks on a background with the XYZ color 79.1652, 85.3493,

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

79.1652, 85.3493, 50.8297

Protanopia

79.6510, 85.5437, 53.3878

Deuteranopia

83.1872, 85.1154, 77.6901



Tritanopia

86.2743, 85.4443, 96.7393

Trichromacy



Original Color

79.1652, 85.3493, 50.8297

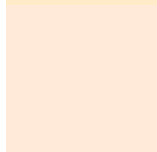
Protanomaly

79.4545, 85.4651, 52.3531



Deuteranomaly

81.3737, 84.8468, 66.7318



Tritanomaly

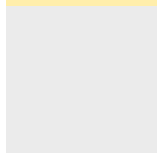
83.1872, 85.1154, 77.6901

Monochromacy



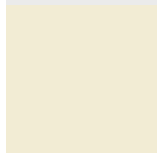
Original Color

79.1652, 85.3493, 50.8297



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

78.4971, 83.6216, 74.2907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.1652, 85.3493, 50.8297 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(255, 238, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 171)  
}
```

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(255, 238, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 171) }
```

Border

The CSS property to change the border of an element to XYZ 79.1652, 85.3493, 50.8297 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(255, 238, 171) }
```


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

```
.border{ border-color:rgb(255, 238, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 79.1652, 85.3493, 50.8297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 171) }
```

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

```
.background{ background-color: rgb(255,  
238, 171) }
```

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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