

Converting Colors

XYZ(83.5831, 93.0361,
118.1901)

Have a look what the booklet for
XYZ(83.5831, 93.0361, 118.1901)
contains.

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Color

**XYZ(81.4942, 92.0695,
108.0837)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FDFF
RGB	216, 253, 255
RGB Percent	85%, 99%, 100%
CMY	0.1529, 0.0078, 0.0000
CMYK	0.15, 0.01, 0.00, 0.00
HSL	183°, 100%, 92%
HSV	183°, 15%, 100%
XYZ	81.4942, 92.0695, 108.0837
YIQ	242.1650, -22.6940, -7.2220

Conversions

Conversions Part 2

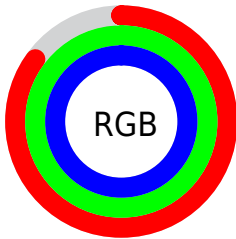
Format	Color
R _Y B	216, 235, 255
Decimal	14220799
CIE Lab	96.85, -11.41, -4.94
CIE LCh	97, 12.435, 203.421
Yxy	92.0695, 0.2893, 0.3269
Android (android.graphics.Color)	4292410879 (0xFFD8FDFF)
YUV	242.1650, 6.3277, -22.9467
Hunter-Lab	95.9529, -16.3148, 0.3813

Details

The XYZ color **81.4942, 92.0695, 108.0837** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.7057, 76.3594, 75.5581**, and the grayscale version is **84.4951, 88.8954, 96.8071**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6309, 51.1341, 60.9437** is the 20% darker color. If you saturate the color by 10%, you get **74.1275, 87.6651, 107.6219**, and if you desaturate by 10%, it is **90.0376, 97.0896, 108.6024**.

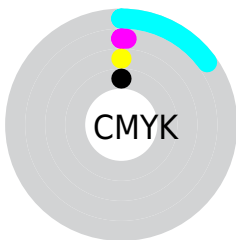
Distribution



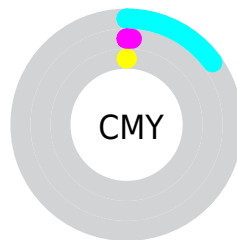
- Red (85%)
- Green (99%)
- Blue (100%)



- Red (85%)
- Yellow (92%)
- Blue (100%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.4942, 92.0695, 108.0837 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 81.4942, 92.0695, 108.0837 by changing the saturation by 10% instead.


 81.4942, 92.0695,
108.0837

 81.4942, 92.0695,
108.0837


488.6144,
534.7401, 607.2770

 61.2614, 69.6984,
82.4141


134.4040,
150.2097, 174.3709

 44.6895, 51.2807,
61.1691


167.8117,
186.7476, 215.8256

 31.4132, 36.4320,
43.9302


206.3417,
228.7765, 263.3791

 21.0670, 24.7680,
30.2789

250.3595,
276.6808, 317.4499

 13.2857, 15.9043,
19.7965

300.2302,
330.8449, 378.4565

 7.7040, 9.4565,
12.0646

356.3194,

 3.9563, 5.0401,

391.6532, 446.8176

6.6646

418.9924,
459.4902, 522.9516

■ 1.6774, 2.2708,
3.1780

■ 0.4421, 0.7582,
1.1862

■ 81.4942, 92.0695,
108.0837

■ 81.4942, 92.0695,
108.0837

■ 74.1275, 87.6651,
107.6219

■ 90.0376, 97.0896,
108.6024

■ 67.8766, 83.8376,
107.2125

95.0500, 100.0000,
108.9000

■ 62.6858, 80.5608,
106.8536

■ 58.4920, 77.8021,
106.5422

■ 55.2253, 75.5255,
106.2749

■ 52.8067, 73.6902,
106.0482

■ 51.1442, 72.2488,
105.8576

■ 50.1239, 71.1427,
105.6978

■ 49.7892, 70.6985,
105.6297

Harmonies

Analogous

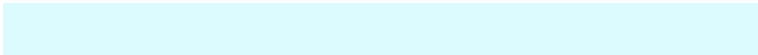
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0100, 92.0695, 98.0619



81.4942, 92.0695, 108.0837



83.5704, 92.0695, 116.4888

Triad

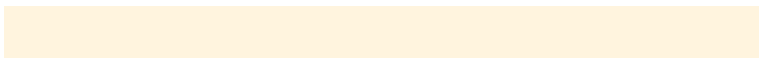
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4942, 92.0695, 108.0837



93.0102, 92.0695, 112.1442



88.2805, 92.0695, 82.3404

Complementary

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



81.4942, 92.0695, 108.0837



78.7057, 76.3594, 75.5581

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.



91.5701, 92.0695, 85.5916



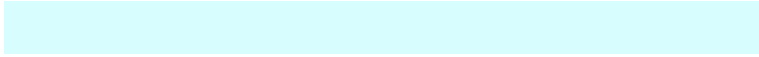
81.4942, 92.0695, 108.0837



94.3472, 92.0695, 102.4665

Square

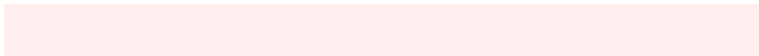
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



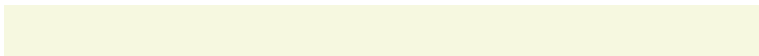
81.4942, 92.0695, 108.0837



90.2041, 92.0695, 118.9399



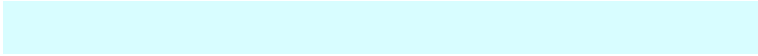
93.8133, 92.0695, 92.8005



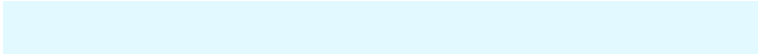
84.8687, 92.0695, 83.6249

Rectangle

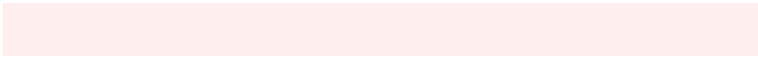
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4942, 92.0695, 108.0837



85.6082, 92.0695, 119.8213



93.8133, 92.0695, 92.8005



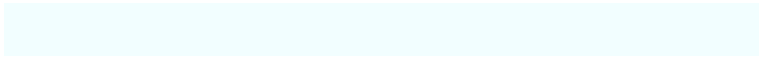
89.4383, 92.0695, 82.9316

Sweetspot

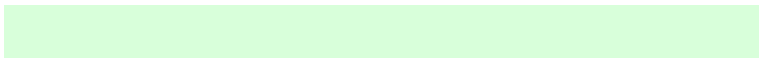
The Sweet Spot groups the original color and five complimentary colors.



81.4966, 92.0732, 108.0843



90.3061, 97.2461, 108.6185



76.7283, 91.1788, 79.8523



19.1918, 20.7346, 23.2406



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

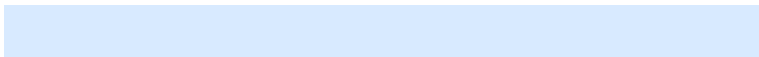
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4966, 92.0732, 108.0843



79.3884, 90.8211, 107.9537



75.6649, 80.4098, 106.1404



18.4706, 20.3128, 23.1972



26.0506, 37.0108, 55.2054



2.5599, 3.6505, 5.3830

Inverse Universe

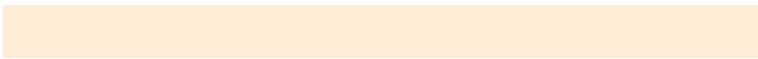
The Inverse Universe completely reimagines the original color for something new.



83.5270, 77.4652, 103.4828



81.7393, 73.9797, 102.6097



84.0500, 87.0479, 77.3395



18.7502, 18.2834, 22.5675



29.9373, 14.4642, 45.1820



2.9267, 1.4131, 4.4616

Previews

White Background



This preview shows how the XYZ color 81.4942, 92.0695, 108.0837 looks on a white background.

Color Contrast Check

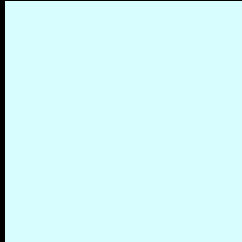
Large Text (above 18pt) WCAG AA × Fail

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 81.4942, 92.0695, 108.0837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

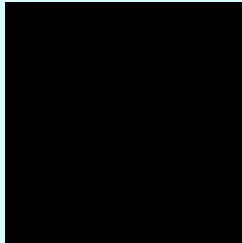
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.4942, 92.0695, 108.0837

Background



This preview shows how black text looks on a background with the XYZ color 81.4942, 92.0695, 108.0837.

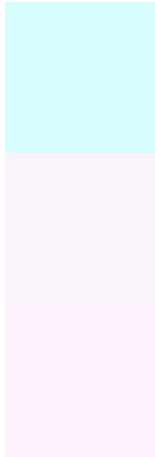


This preview shows how white text looks on a background with the XYZ color 81.4942, 92.0695,

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

81.4942, 92.0695, 108.0837

Protanopia

88.3174, 91.5600, 103.4605

Deuteranopia

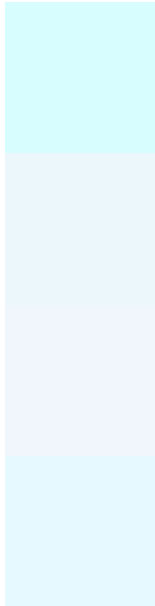
90.5628, 91.7925, 105.0400



Tritanopia

85.9028, 91.5744, 107.7558

Trichromacy



Original Color

81.4942, 92.0695, 108.0837

Protanomaly

85.4235, 91.3827, 105.2318

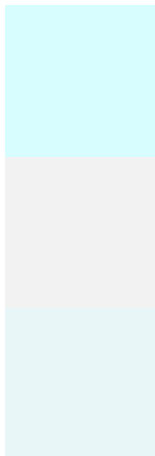
Deuteranomaly

86.9610, 91.7042, 106.0458

Tritanomaly

84.2388, 91.6294, 107.8541

Monochromacy



Original Color

81.4942, 92.0695, 108.0837

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.3485, 89.9506, 100.9649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4942, 92.0695, 108.0837 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(216, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 253, 255)  
}
```

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(216, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.4942, 92.0695, 108.0837 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(216, 253, 255) }
```


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

```
.border{ border-color:rgb(216, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4942, 92.0695, 108.0837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 253, 255) }
```

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

```
.background{ background-color: rgb(216,  
253, 255) }
```

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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