

Converting Colors

XYZ(38.7526, 43.3799, 92.4967)

Have a look what the booklet for
XYZ(38.7526, 43.3799, 92.4967)
contains.

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Color

**XYZ(38.8775, 43.5829,
92.7495)**

Conversions

Conversions Part 1

Format	Color
Hex	64B8F5
RGB	100, 184, 245
RGB Percent	39%, 72%, 96%
CMY	0.6078, 0.2784, 0.0392
CMYK	0.59, 0.25, 0.00, 0.04
HSL	205°, 88%, 68%
HSV	205°, 59%, 96%
XYZ	38.8775, 43.5829, 92.7495
YIQ	165.8380, -69.6450, 1.1630

Conversions

Conversions Part 2

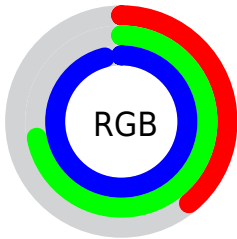
Format	Color
RYB	100, 153, 245
Decimal	6600949
CIELab	71.95, -7.93, -37.95
CIELCh	72, 38.774, 258.193
Yxy	43.5829, 0.2219, 0.2487
Android (android.graphics.Color)	4284791029 (0xFF64B8F5)
YUV	165.8380, 39.0269, -57.7399
Hunter-Lab	66.0173, -10.4120, -37.0859

Details

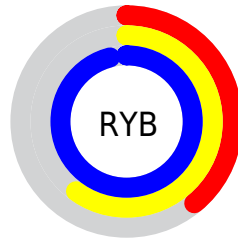
The XYZ color **38.8775, 43.5829, 92.7495** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.7032, 45.8249, 18.1259**, and the grayscale version is **36.0106, 37.8860, 41.2579**.

A 20% lighter version of the original color is **63.9080, 77.1172, 106.1245**, and **17.5243, 20.0340, 50.5203** is the 20% darker color. If you saturate the color by 10%, you get **34.5004, 38.2636, 91.9543**, and if you desaturate by 10%, it is **44.2282, 49.6373, 93.6369**.

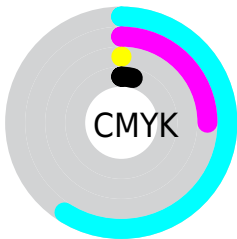
Distribution



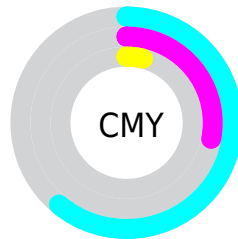
- Red (39%)
- Green (72%)
- Blue (96%)



- Red (39%)
- Yellow (60%)
- Blue (96%)



- Cyan (59%)
- Magenta (25%)
- Yellow (0%)
- Black (4%)



- Cyan (61%)
- Magenta (28%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8775, 43.5829, 92.7495 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 38.8775, 43.5829, 92.7495 by changing the saturation by 10% instead.

■ 38.8775, 43.5829,
92.7495

■ 38.8775, 43.5829,
92.7495

332.5855,
361.0035, 557.7341

■ 26.8447, 30.3427,
69.6768

■ 72.7464, 80.5897,
153.1205

■ 17.5926, 20.0989,
50.7879

■ 95.3133, 105.1252,
191.2558

■ 10.7558, 12.4669,
35.6643

■ 122.1222,
134.1946, 235.2491

■ 5.9690, 7.0625,
23.8874

■ 153.5386,
168.1822, 285.5189

■ 2.8667, 3.5012,
15.0387

189.9278,
207.4725, 342.4838

■ 1.0837, 1.3987,
8.6996

231.6551,

■ 0.0114, 0.2157,

252.4499, 406.5623

4.4517

279.0859,
303.4988, 478.1728

■ 0.0000, 0.0000,
1.8762

■ 0.0000, 0.0000,
0.4776

■ 38.8775, 43.5829,
92.7495

■ 38.8775, 43.5829,
92.7495

■ 34.5004, 38.2636,
91.9543

■ 44.2282, 49.6373,
93.6369

■ 31.0135, 33.6291,
91.2436

■ 50.6173, 56.4625,
94.6176

■ 28.3252, 29.6280,
90.6130

■ 58.1089, 64.0972,
95.6964

■ 26.2953, 26.1827,
90.0549

■ 66.7603, 72.5751,
96.8768

■ 26.1441, 25.9176,
90.0117

■ 76.6245, 81.9281,
98.1622

■ 87.7512, 92.1860,
99.5558

■ 93.4816, 99.3726,
100.6409

Harmonies

Analogous

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



33.5156, 43.5829, 80.0892



38.8775, 43.5829, 92.7495



45.5209, 43.5829, 91.1184

Triad

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



38.8775, 43.5829, 92.7495



54.7109, 43.5829, 36.9719



32.6537, 43.5829, 27.0890

Complementary

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



38.8775, 43.5829, 92.7495



52.7032, 45.8249, 18.1259

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.



37.5811, 43.5829, 20.5921



38.8775, 43.5829, 92.7495



50.4884, 43.5829, 25.1632

Square

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



38.8775, 43.5829, 92.7495



55.1533, 43.5829, 55.2993



44.0798, 43.5829, 19.9964



30.1865, 43.5829, 40.3888

Rectangle

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



38.8775, 43.5829, 92.7495



49.7910, 43.5829, 82.1991



44.0798, 43.5829, 19.9964



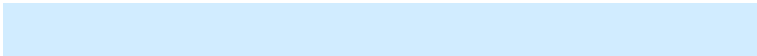
34.0516, 43.5829, 24.2088

Sweetspot

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



38.8790, 43.5845, 92.7506



74.2790, 80.6024, 106.2506



44.2913, 70.5681, 44.7381



15.2691, 16.6450, 22.6580



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.



38.8790, 43.5845, 92.7506



36.9567, 40.8469, 100.5442



27.5422, 20.9108, 88.9716



16.3786, 17.5214, 21.0613



14.2243, 14.2423, 48.5374



1.3517, 1.4548, 4.2998

Inverse Universe

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



50.8665, 31.9893, 48.8424



51.8052, 29.3988, 45.5031



69.0730, 78.5645, 23.5825



16.9017, 16.6435, 19.2287



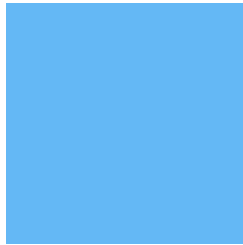
22.9843, 11.5371, 15.1573



2.0713, 1.0345, 1.6021

Previews

White Background



This preview shows how the XYZ color 38.8775, 43.5829, 92.7495 looks on a white background.

Color Contrast Check

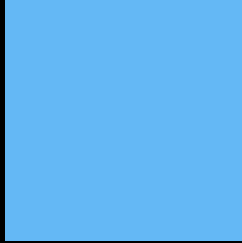
Large Text (above 18pt) WCAG AA × Fail

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 38.8775, 43.5829, 92.7495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

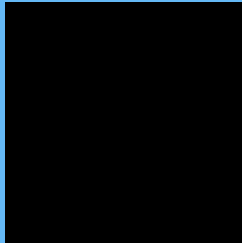
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

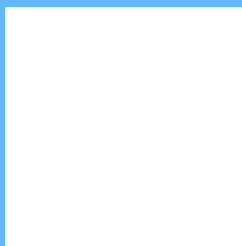
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8775, 43.5829, 92.7495

Background



This preview shows how black text looks on a background with the XYZ color 38.8775, 43.5829, 92.7495.



This preview shows how white text looks on a background with the XYZ color 38.8775, 43.5829,

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

38.8775, 43.5829, 92.7495

Protanopia

44.1343, 43.1697, 86.1272

Deuteranopia

44.5022, 43.4715, 94.0410



Tritanopia

33.4606, 43.6056, 65.6846

Trichromacy



Original Color

38.8775, 43.5829, 92.7495

Protanomaly

41.6037, 42.9698, 88.5393

Deuteranomaly

42.0707, 43.4001, 93.3485

Tritanomaly

35.1542, 43.3107, 74.9136

Monochromacy



Original Color

38.8775, 43.5829, 92.7495

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.9492, 39.5781, 57.3744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8775, 43.5829, 92.7495 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(100, 184, 245)` looks like.

```
.text, #text, p{  
    color:rgb(100, 184, 245)  
}
```

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(100, 184, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 184, 245) }
```

Border

The CSS property to change the border of an element to XYZ 38.8775, 43.5829, 92.7495 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(100, 184, 245) }
```


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

```
.border{ border-color:rgb(100, 184, 245) }
```

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

Here you see how a box with a 4 pixel rgb(100, 184, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 184, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 184, 245);  
box-shadow:4px 4px 4px 4px rgb(100, 184,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8775, 43.5829, 92.7495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 184, 245) }
```

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

```
.background{ background-color: rgb(100,  
184, 245) }
```

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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