

Converting Colors

XYZ(41.5663, 52.3693, 89.9042)

Have a look what the booklet for
XYZ(41.5663, 52.3693, 89.9042)
contains.

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Color

**XYZ(41.4890, 52.3530,
89.5798)**

Conversions

Conversions Part 1

Format	Color
Hex	56CEEF
RGB	86, 206, 239
RGB Percent	34%, 81%, 94%
CMY	0.6627, 0.1921, 0.0627
CMYK	0.64, 0.14, 0.00, 0.06
HSL	193°, 83%, 64%
HSV	193°, 64%, 94%
XYZ	41.4890, 52.3530, 89.5798
YIQ	173.8820, -82.1130, -15.1770

Conversions

Conversions Part 2

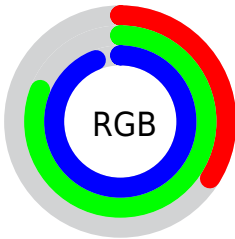
Format	Color
R_{YB}	86, 153, 239
Decimal	5689071
CIE _{Lab}	77.49, -23.69, -26.21
CIE _{LCh}	77, 35.333, 227.890
Yxy	52.3530, 0.2262, 0.2854
Android (android.graphics.Color)	4283879151 (0xFF56CEE _F)
YUV	173.8820, 32.1032, -77.0725
Hunter-Lab	72.3554, -24.2689, -22.7554

Details

The XYZ color **41.4890, 52.3530, 89.5798** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **43.8747, 32.2182, 12.7121**, and the grayscale version is **40.0441, 42.1295, 45.8790**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **19.7755, 25.8754, 48.7519** is the 20% darker color. If you saturate the color by 10%, you get **38.4248, 48.9622, 89.0878**, and if you desaturate by 10%, it is **45.3327, 56.2082, 90.1223**.

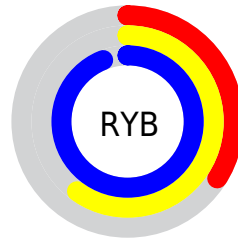
Distribution



Red (34%)

Green (81%)

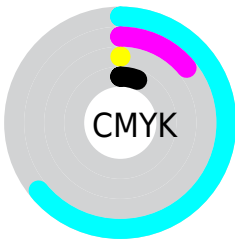
Blue (94%)



Red (34%)

Yellow (60%)

Blue (94%)

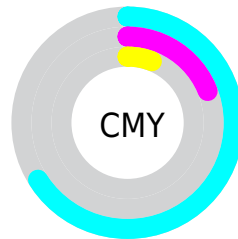


Cyan (64%)

Magenta (14%)

Yellow (0%)

Black (6%)



Cyan (66%)

Magenta (19%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4890, 52.3530, 89.5798 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 41.4890, 52.3530, 89.5798 by changing the saturation by 10% instead.

41.4890, 52.3530,
89.5798

41.4890, 52.3530,
89.5798

343.3880,
395.7979, 547.1978

28.8907, 37.2865,
67.0604

76.6957, 93.6516,
148.6850

19.1420, 25.4294,
48.6718

100.0348,
120.6526, 186.1079

11.8776, 16.3973,
33.9955

127.6849,
152.4005, 229.3357

6.7320, 9.8057,
22.6128

160.0114,
189.2797, 278.7871

3.3399, 5.2703,
14.1052

197.3796,
231.6746, 334.8804

1.3359, 2.4067,
8.0543

240.1549,

0.2099, 0.8293,

279.9697, 398.0342

4.0415

288.7026,
334.5493, 468.6672

■ 0.0000, 0.0000,
1.6481

■ 0.0000, 0.0000,
0.3248

■ 41.4890, 52.3530,
89.5798

■ 41.4890, 52.3530,
89.5798

■ 38.4248, 48.9622,
89.0878

■ 45.3327, 56.2082,
90.1223

■ 36.0580, 45.9897,
88.6388

■ 50.0173, 60.5568,
90.7148

■ 34.2963, 43.3884,
88.2295

■ 55.6036, 65.4319,
91.3613

■ 33.4466, 41.9649,
87.9996

■ 62.1453, 70.8615,
92.0646

69.6916, 76.8717,
92.8269

78.2886, 83.4867,
93.6506

87.9789, 90.7290,
94.5378

90.1551, 94.1618,
95.0857

91.7554, 97.3626,
95.6192

Harmonies

Analogous

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



38.3143, 52.3530, 69.3114



41.4890, 52.3530, 89.5798



47.0642, 52.3530, 102.0714

Triad

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



41.4890, 52.3530, 89.5798



63.6861, 52.3530, 65.2349



45.8465, 52.3530, 28.2544

Complementary

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



41.4890, 52.3530, 89.5798



43.8747, 32.2182, 12.7121

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.



52.5567, 52.3530, 27.6461



41.4890, 52.3530, 89.5798



63.2843, 52.3530, 46.2464

Square

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



41.4890, 52.3530, 89.5798



60.1153, 52.3530, 86.0156



59.0630, 52.3530, 33.4716



40.6678, 52.3530, 35.3809

Rectangle

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



41.4890, 52.3530, 89.5798



51.5784, 52.3530, 102.7799



59.0630, 52.3530, 33.4716



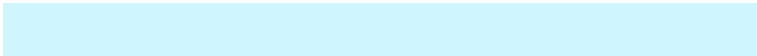
47.9848, 52.3530, 27.3513

Sweetspot

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



41.4907, 52.3549, 89.5811



76.1730, 85.4536, 107.0872



37.8932, 64.9877, 27.2554



15.7780, 17.8691, 22.8674



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.



41.4907, 52.3549, 89.5811



43.5393, 55.5519, 103.0356



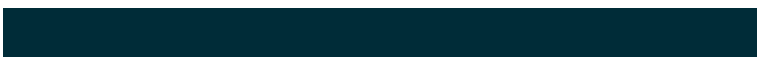
27.6572, 24.6880, 84.9699



15.9412, 17.3165, 20.2238



18.5831, 23.3905, 48.6633



1.6169, 2.0879, 4.0720

Inverse Universe

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



50.0664, 29.4642, 61.4428



54.7519, 29.1384, 65.4568



56.3699, 57.2086, 16.8772



16.2998, 15.9696, 19.1348



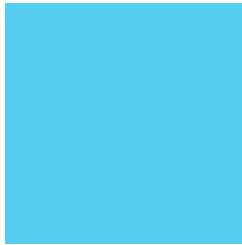
24.7055, 12.1546, 27.4296



2.0911, 1.0255, 2.4706

Previews

White Background



This preview shows how the XYZ color 41.4890, 52.3530, 89.5798 looks on a white background.

Color Contrast Check

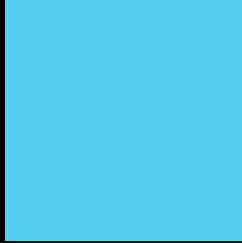
Large Text (above 18pt) WCAG AA × Fail

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 41.4890, 52.3530, 89.5798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

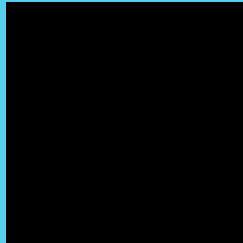
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4890, 52.3530, 89.5798

Background



This preview shows how black text looks on a background with the XYZ color 41.4890, 52.3530, 89.5798.

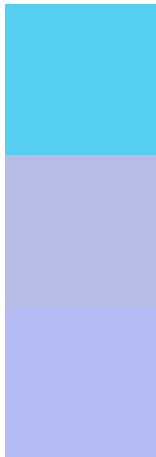


This preview shows how white text looks on a background with the XYZ color 41.4890, 52.3530,

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

41.4890, 52.3530, 89.5798

Protanopia

51.1398, 51.4576, 79.9100

Deuteranopia

53.0040, 51.8355, 92.0057



Tritanopia

39.3709, 52.2103, 79.2367

Trichromacy



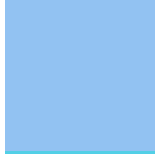
Original Color

41.4890, 52.3530, 89.5798



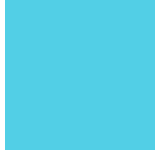
Protanomaly

45.9715, 51.0028, 83.0229



Deuteranomaly

47.1729, 51.1054, 91.3824



Tritanomaly

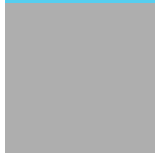
40.0754, 52.1327, 82.8133

Monochromacy



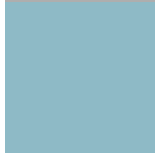
Original Color

41.4890, 52.3530, 89.5798



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.9073, 44.9458, 60.0509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4890, 52.3530, 89.5798 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(86, 206, 239)` looks like.

```
.text, #text, p{  
    color:rgb(86, 206, 239)  
}
```

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(86, 206, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 206, 239) }
```

Border

The CSS property to change the border of an element to XYZ 41.4890, 52.3530, 89.5798 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(86, 206, 239) }
```


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

```
.border{ border-color:rgb(86, 206, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 206, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 206, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 206, 239);  
box-shadow:4px 4px 4px 4px rgb(86, 206,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4890, 52.3530, 89.5798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 206, 239) }
```

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

```
.background{ background-color: rgb(86, 206,  
239) }
```

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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