

# Converting Colors

XYZ(42.0580, 52.3856, 94.1158)

Have a look what the booklet for  
XYZ(42.0580, 52.3856, 94.1158)  
contains.

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# Color

**XYZ(42.2089, 52.6200,  
94.3182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54CEF5
RGB	84, 206, 245
RGB Percent	33%, 81%, 96%
CMY	0.6706, 0.1921, 0.0392
CMYK	0.66, 0.16, 0.00, 0.04
HSL	195°, 89%, 65%
HSV	195°, 66%, 96%
XYZ	42.2089, 52.6200, 94.3182
YIQ	173.9680, -85.2310, -13.7350

# Conversions

## Conversions Part 2

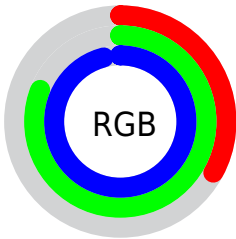
Format	Color
R <sub>Y</sub> B	84, 153, 245
Decimal	5558005
CIE Lab	77.65, -22.20, -29.19
CIE LCh	78, 36.668, 232.748
Yxy	52.6200, 0.2232, 0.2782
Android (android.graphics.Color)	4283748085 (0xFF54CEF5)
YUV	173.9680, 35.0188, -78.9019
Hunter-Lab	72.5396, -23.0799, -26.3129

# Details

The XYZ color **42.2089, 52.6200, 94.3182** 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 **46.3412, 34.2208, 12.5523**, and the grayscale version is **40.0750, 42.1620, 45.9144**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **20.4135, 26.1306, 52.1119** is the 20% darker color. If you saturate the color by 10%, you get **38.9856, 48.8782, 93.7668**, and if you desaturate by 10%, it is **46.2561, 56.8687, 94.9260**.

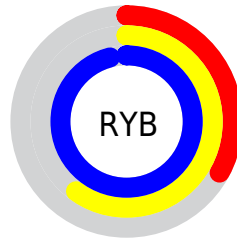
# Distribution



Red (33%)

Green (81%)

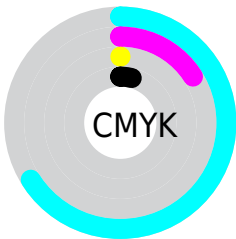
Blue (96%)



Red (33%)

Yellow (60%)

Blue (96%)

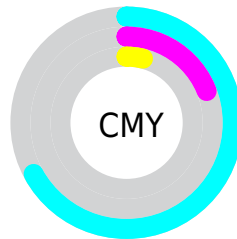


Cyan (66%)

Magenta (16%)

Yellow (0%)

Black (4%)



Cyan (67%)

Magenta (19%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2089, 52.6200, 94.3182 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 42.2089, 52.6200, 94.3182 by changing the saturation by 10% instead.



42.2089, 52.6200,  
94.3182

42.2089, 52.6200,  
94.3182

346.3251,  
396.8255, 562.9084

29.4567, 37.4995,  
70.9739

77.7789, 94.0450,  
155.3098

19.5726, 25.5945,  
51.8392

101.3274,  
121.1182, 193.7942

12.1912, 16.5205,  
36.4956

129.2054,  
152.9445, 238.1623

6.9472, 9.8932,  
24.5244

161.7782,  
189.9083, 288.8328

3.4751, 5.3282,  
15.5073

199.4112,  
232.3938, 346.2241

1.4097, 2.4411,  
9.0256

242.4698,

0.2631, 0.8469,

280.7856, 410.7547

4.6609

291.3193,  
335.4681, 482.8434

■ 0.0000, 0.0000,  
1.9945

■ 0.0000, 0.0000,  
0.5519

■ 42.2089, 52.6200,  
94.3182

■ 42.2089, 52.6200,  
94.3182

■ 38.9856, 48.8782,  
93.7668

■ 46.2561, 56.8687,  
94.9260

■ 36.4965, 45.5930,  
93.2639

■ 51.1944, 61.6568,  
95.5899

■ 34.6388, 42.7117,  
92.8057

■ 57.0899, 67.0200,  
96.3144

■ 33.9674, 41.5642,  
92.6196

■ 64.0006, 72.9893,  
97.1023

71.9797, 79.5928,  
97.9564

81.0767, 86.8569,  
98.8790

91.1499, 94.7092,  
99.8638

92.9992, 98.4078,  
100.4802

93.4816, 99.3726,  
100.6410

# Harmonies

## Analogous

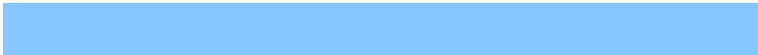
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4681, 52.6200, 73.7514



42.2089, 52.6200, 94.3182



48.3128, 52.6200, 105.3930

# Triad

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



42.2089, 52.6200, 94.3182



64.7888, 52.6200, 62.3644



44.9266, 52.6200, 28.3097

# Complementary

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



42.2089, 52.6200, 94.3182



46.3412, 34.2208, 12.5523

# 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.



51.7541, 52.6200, 26.6412



42.2089, 52.6200, 94.3182



63.6652, 52.6200, 43.4877

# Square

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



42.2089, 52.6200, 94.3182



61.6656, 52.6200, 84.3189



58.7258, 52.6200, 31.5025



39.9307, 52.6200, 36.7656



# Rectangle

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



42.2089, 52.6200, 94.3182



53.0818, 52.6200, 104.4204



58.7258, 52.6200, 31.5025



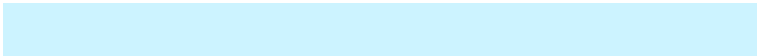
47.0662, 52.6200, 27.0331

# Sweetspot

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



42.2106, 52.6219, 94.3195



74.8965, 83.9468, 106.8636



39.7963, 68.5854, 29.4152



15.5096, 17.5353, 22.8172



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.



42.2106, 52.6219, 94.3195



41.6670, 52.2314, 102.4933



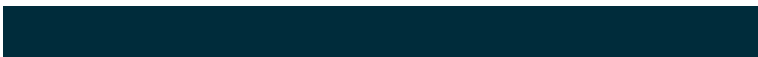
27.7203, 23.6413, 89.4894



16.6367, 18.0378, 21.1474



18.4122, 22.6182, 49.9334



1.6976, 2.1467, 4.4151



# Inverse Universe

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



51.9686, 30.2112, 61.4867



53.7034, 28.3227, 61.1570



60.3942, 62.3269, 17.2367



17.0320, 16.6956, 19.9149



25.0982, 12.3827, 26.2890

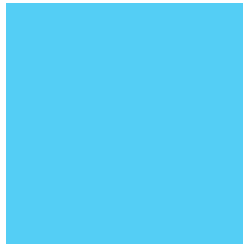


2.2459, 1.1043, 2.5215



# Previews

## White Background



This preview shows how the XYZ color 42.2089, 52.6200, 94.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

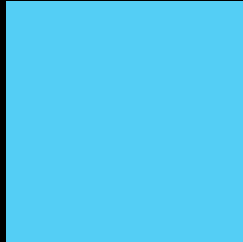
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.2089, 52.6200, 94.3182 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 42.2089, 52.6200, 94.3182**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2089, 52.6200, 94.3182.



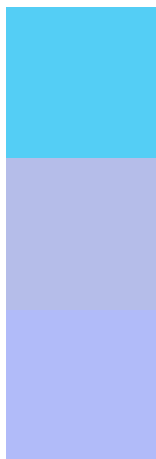
This preview shows how white text looks on a background with the XYZ color 42.2089, 52.6200,



# 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

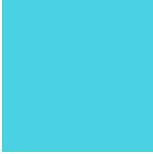
42.2089, 52.6200, 94.3182

### Protanopia

51.9616, 52.1021, 84.4088

### Deuteranopia

53.0007, 51.7273, 96.8135



## **Tritanopia**

39.3520, 52.5478, 80.0202

# Trichromacy



**Original Color**

42.2089, 52.6200, 94.3182

**Protanomaly**

46.6552, 51.2556, 87.5551

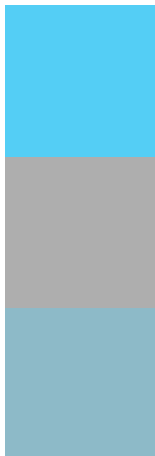
**Deuteranomaly**

47.5628, 51.2005, 96.1828

**Tritanomaly**

40.4057, 52.6146, 85.1168

# Monochromacy



**Original Color**

42.2089, 52.6200, 94.3182

**Achromatopsia**

40.2316, 42.3268, 46.0938

**Achromatomaly**

38.9687, 44.9507, 61.2661

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2089, 52.6200, 94.3182 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(84, 206, 245)` looks like.

```
.text, #text, p{  
    color:rgb(84, 206, 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(84, 206, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 206, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2089, 52.6200, 94.3182 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(84, 206, 245) }
```



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

```
.border{ border-color:rgb(84, 206, 245) }
```

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

Here you see how a box with a 4 pixel rgb(84, 206, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 206, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 206, 245);  
box-shadow:4px 4px 4px 4px rgb(84, 206,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2089, 52.6200, 94.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 206, 245) }
```

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

```
.background{ background-color: rgb(84, 206,  
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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