

Converting Colors

XYZ(39.6161, 50.2933, 83.0098)

Have a look what the booklet for
XYZ(39.6161, 50.2933, 83.0098)
contains.

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Color

**XYZ(39.8042, 50.5561,
83.2617)**

Conversions

Conversions Part 1

Format	Color
Hex	58CBE7
RGB	88, 203, 231
RGB Percent	35%, 80%, 91%
CMY	0.6549, 0.2039, 0.0941
CMYK	0.62, 0.12, 0.00, 0.09
HSL	192°, 75%, 63%
HSV	192°, 62%, 91%
XYZ	39.8042, 50.5561, 83.2617
YIQ	171.8070, -77.5280, -15.6720

Conversions

Conversions Part 2

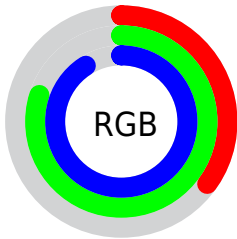
Format	Color
R_{YB}	88, 152, 231
Decimal	5819367
CIE _{Lab}	76.41, -24.23, -23.56
CIE _{LCh}	76, 33.802, 224.197
Yxy	50.5561, 0.2293, 0.2912
Android (android.graphics.Color)	4284009447 (0xFF58CBE7)
YUV	171.8070, 29.1821, -73.4987
Hunter-Lab	71.1028, -24.5035, -19.6569

Details

The XYZ color **39.8042, 50.5561, 83.2617** 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 **40.9632, 30.1858, 12.9015**, and the grayscale version is **39.0021, 41.0332, 44.6852**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **18.4853, 24.5900, 44.3295** is the 20% darker color. If you saturate the color by 10%, you get **36.9018, 47.4982, 82.8254**, and if you desaturate by 10%, it is **43.4335, 54.0370, 83.7432**.

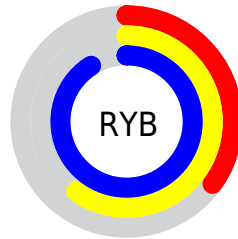
Distribution



Red (35%)

Green (80%)

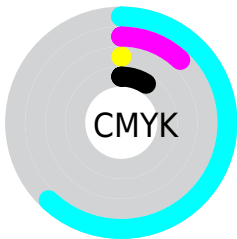
Blue (91%)



Red (35%)

Yellow (60%)

Blue (91%)

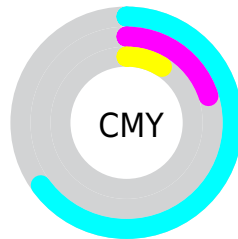


Cyan (62%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (65%)

Magenta (20%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8042, 50.5561, 83.2617 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 39.8042, 50.5561, 83.2617 by changing the saturation by 10% instead.

■ 39.8042, 50.5561,
83.2617

■ 39.8042, 50.5561,
83.2617

336.4462,
388.8367, 525.8521

■ 27.5694, 35.8555,
61.8642

■ 74.1515, 90.9983,
139.7944

■ 18.1401, 24.3226,
44.4879

■ 96.9948, 117.5086,
175.7668

■ 11.1510, 15.5731,
30.7143

■ 124.1049,
148.7243, 217.4344

■ 6.2365, 9.2226,
20.1247

■ 155.8473,
185.0297, 265.2160

■ 3.0314, 4.8866,
12.3008

192.5872,
226.8092, 319.5300

■ 1.1704, 2.1809,
6.8238

234.6901,

■ 0.0828, 0.7096,

274.4473, 380.7950

3.2754

282.5213,
328.3283, 449.4295

■ 0.0000, 0.0000,
1.2369

■ 0.0000, 0.0000,
0.0092

■ 39.8042, 50.5561,
83.2617

■ 39.8042, 50.5561,
83.2617

■ 36.9018, 47.4982,
82.8254

■ 43.4335, 54.0370,
83.7432

■ 34.6532, 44.8222,
82.4274

■ 47.8443, 57.9665,
84.2692

■ 32.9780, 42.4873,
82.0650

■ 53.0914, 62.3740,
84.8434

■ 31.9347, 40.7911,
81.7926

■ 59.2230, 67.2850,
85.4682

■ 66.2837, 72.7227,
86.1456

■ 74.3151, 78.7090,
86.8778

■ 83.3560, 85.2641,
87.6665

■ 86.5853, 88.8722,
88.1928

■ 87.9275, 91.5566,
88.6402

Harmonies

Analogous

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



37.1413, 50.5561, 64.0947



39.8042, 50.5561, 83.2617



44.7970, 50.5561, 96.1083

Triad

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



39.8042, 50.5561, 83.2617



60.8104, 50.5561, 65.1500



45.1137, 50.5561, 27.5885

Complementary

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



39.8042, 50.5561, 83.2617



40.9632, 30.1858, 12.9015

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.



51.4611, 50.5561, 27.7491



39.8042, 50.5561, 83.2617



60.9142, 50.5561, 46.8936

Square

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



39.8042, 50.5561, 83.2617



57.0948, 50.5561, 84.1798



57.3671, 50.5561, 34.0570



40.0184, 50.5561, 33.5554

Rectangle

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



39.8042, 50.5561, 83.2617



48.9530, 50.5561, 97.9031



57.3671, 50.5561, 34.0570



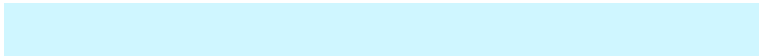
47.1623, 50.5561, 26.9772

Sweetspot

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



39.8058, 50.5580, 83.2629



76.4646, 86.0366, 107.1844



35.6514, 60.4476, 25.7747



15.8492, 18.0115, 22.8912



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.



39.8058, 50.5580, 83.2629



45.4021, 58.5588, 103.5178



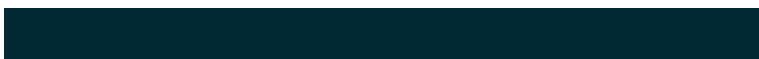
26.8763, 24.6988, 78.9531



14.5551, 15.8316, 18.4330



17.9914, 23.0449, 45.8830



1.3910, 1.8259, 3.4111

Inverse Universe

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



47.2256, 28.2817, 59.4717



55.8676, 30.2563, 69.2613



52.2171, 52.6937, 16.6528



14.8678, 14.5643, 17.5041



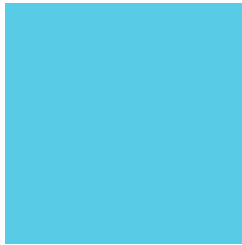
23.4747, 11.5241, 27.1926



1.7657, 0.8640, 2.1728

Previews

White Background



This preview shows how the XYZ color 39.8042, 50.5561, 83.2617 looks on a white background.

Color Contrast Check

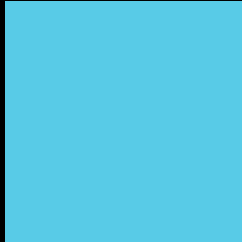
Large Text (above 18pt) WCAG AA × Fail

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 39.8042, 50.5561, 83.2617 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

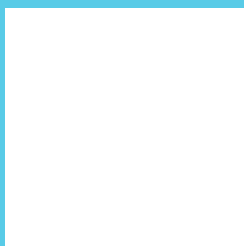
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8042, 50.5561, 83.2617

Background



This preview shows how black text looks on a background with the XYZ color 39.8042, 50.5561, 83.2617.



This preview shows how white text looks on a background with the XYZ color 39.8042, 50.5561,

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

39.8042, 50.5561, 83.2617

Protanopia

49.4011, 50.0560, 74.0759

Deuteranopia

51.1919, 50.1029, 85.5700



Tritanopia

38.4497, 50.7221, 76.1704

Trichromacy



Original Color

39.8042, 50.5561, 83.2617

Protanomaly

44.2015, 49.2300, 76.9847

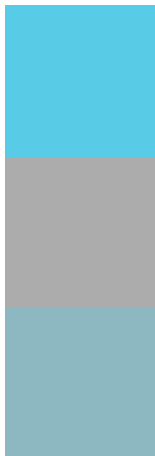
Deuteranomaly

45.5147, 49.4052, 84.9792

Tritanomaly

38.9298, 50.5533, 78.9401

Monochromacy



Original Color

39.8042, 50.5561, 83.2617

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.5436, 43.3799, 56.8465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8042, 50.5561, 83.2617 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(88, 203, 231)` looks like.

```
.text, #text, p{  
    color:rgb(88, 203, 231)  
}
```

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(88, 203, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 203, 231) }
```

Border

The CSS property to change the border of an element to XYZ 39.8042, 50.5561, 83.2617 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(88, 203, 231) }
```


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

```
.border{ border-color:rgb(88, 203, 231) }
```

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

Here you see how a box with a 4 pixel rgb(88, 203, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 203, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 203, 231);  
box-shadow:4px 4px 4px 4px rgb(88, 203,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8042, 50.5561, 83.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 203, 231) }
```

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

```
.background{ background-color: rgb(88, 203,  
231) }
```

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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