

Converting Colors

XYZ(39.9961, 50.9904, 84.0780)

Have a look what the booklet for
XYZ(39.9961, 50.9904, 84.0780)
contains.

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Color

**XYZ(39.9961, 50.9904,
84.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	56CCE8
RGB	86, 204, 232
RGB Percent	34%, 80%, 91%
CMY	0.6627, 0.2000, 0.0902
CMYK	0.63, 0.12, 0.00, 0.09
HSL	192°, 76%, 62%
HSV	192°, 63%, 91%
XYZ	39.9961, 50.9904, 84.0780
YIQ	171.9100, -79.3160, -16.3080

Conversions

Conversions Part 2

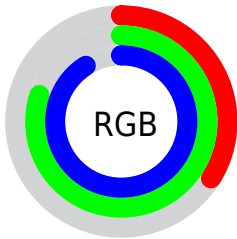
Format	Color
RYP	86, 151, 232
Decimal	5688552
CIELab	76.67, -24.77, -23.71
CIElCh	77, 34.286, 223.740
Yxy	50.9904, 0.2285, 0.2913
Android (android.graphics.Color)	4283878632 (0xFF56CCE8)
YUV	171.9100, 29.6244, -75.3431
Hunter-Lab	71.4076, -24.9836, -19.8250

Details

The XYZ color **39.9961, 50.9904, 84.0780** 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 **40.9771, 29.8640, 12.4103**, and the grayscale version is **39.0527, 41.0864, 44.7431**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **18.7428, 24.9473, 44.9018** is the 20% darker color. If you saturate the color by 10%, you get **37.1544, 47.9789, 83.6475**, and if you desaturate by 10%, it is **43.5643, 54.4233, 84.5535**.

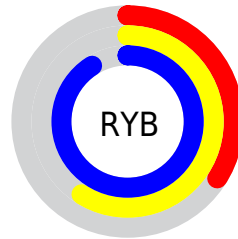
Distribution



Red (34%)

Green (80%)

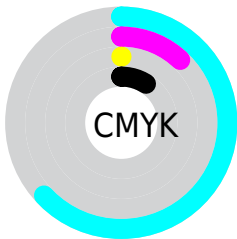
Blue (91%)



Red (34%)

Yellow (59%)

Blue (91%)

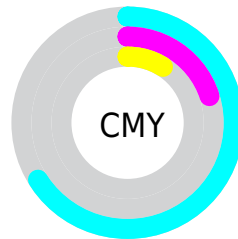


Cyan (63%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (66%)

Magenta (20%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9961, 50.9904, 84.0780 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 39.9961, 50.9904, 84.0780 by changing the saturation by 10% instead.

■ 39.9961, 50.9904,
84.0780

■ 39.9961, 50.9904,
84.0780

337.2418,
390.5265, 528.6370

■ 27.7197, 36.2010,
62.5341

■ 74.4420, 91.6406,
140.9470

■ 18.2538, 24.5894,
45.0258

■ 97.3421, 118.2701,
177.1091

■ 11.2332, 15.7714,
31.1347

■ 124.5142,
149.6152, 218.9811

■ 6.2923, 9.3626,
20.4421

■ 156.3237,
186.0601, 266.9814

■ 3.0660, 4.9784,
12.5295

193.1358,
227.9893, 321.5286

■ 1.1888, 2.2346,
6.9785

235.3160,

■ 0.0975, 0.7388,

275.7871, 383.0413

3.3704

283.2295,
329.8381, 451.9379

■ 0.0000, 0.0000,
1.2867

■ 0.0000, 0.0000,
0.0509

■ 39.9961, 50.9904,
84.0780

■ 39.9961, 50.9904,
84.0780

■ 37.1544, 47.9789,
83.6475

■ 43.5643, 54.4233,
84.5535

■ 34.9641, 45.3467,
83.2548


■ 47.9148, 58.3038,
85.0732


■ 33.3421, 43.0515,
82.8973


■ 53.1036, 62.6619,
85.6409


■ 32.4441, 41.5832,
82.6612


■ 59.1800, 67.5235,
86.2591

 66.1892, 72.9124,
86.9298

 74.1736, 78.8506,
87.6552

 83.1728, 85.3588,
88.4371

 86.8472, 89.1694,
88.9789

 88.1703, 91.8155,
89.4199

Harmonies

Analogous

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



37.3250, 50.9904, 64.4490



39.9961, 50.9904, 84.0780



45.0539, 50.9904, 97.3844

Triad

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



39.9961, 50.9904, 84.0780



61.4596, 50.9904, 66.1403



45.5607, 50.9904, 27.5358

Complementary

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



39.9961, 50.9904, 84.0780



40.9771, 29.8640, 12.4103

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.



52.0437, 50.9904, 27.7915



39.9961, 50.9904, 84.0780



61.6262, 50.9904, 47.4561

Square

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



39.9961, 50.9904, 84.0780



57.6153, 50.9904, 85.5520



58.0518, 50.9904, 34.2939



40.3385, 50.9904, 33.4942

Rectangle

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



39.9961, 50.9904, 84.0780



49.2835, 50.9904, 99.3662



58.0518, 50.9904, 34.2939



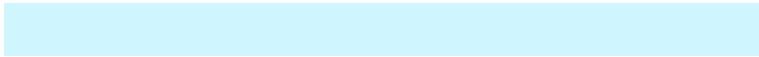
47.6553, 50.9904, 26.9469

Sweetspot

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



39.9977, 50.9923, 84.0792



76.5237, 86.1550, 107.2041



35.6633, 60.8799, 25.4273



15.8637, 18.0405, 22.8960



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.



39.9977, 50.9923, 84.0792



45.0151, 58.2751, 103.4834



26.6878, 24.3725, 79.6426



14.5602, 15.8419, 18.4347



18.1001, 23.2623, 45.9193



1.3981, 1.8401, 3.4135

Inverse Universe

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



47.5070, 28.1726, 60.0627



55.5526, 29.6721, 69.0150



52.4696, 52.8490, 16.2412



14.8704, 14.5653, 17.5177



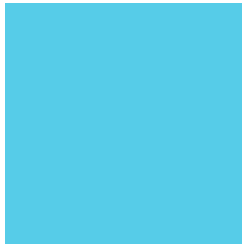
23.5296, 11.5461, 27.4815



1.7693, 0.8654, 2.1917

Previews

White Background



This preview shows how the XYZ color 39.9961, 50.9904, 84.0780 looks on a white background.

Color Contrast Check

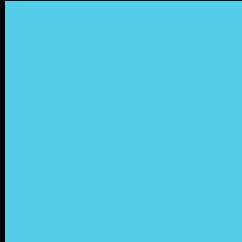
Large Text (above 18pt) WCAG AA × Fail

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 39.9961, 50.9904, 84.0780 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 39.9961, 50.9904, 84.0780

Background



This preview shows how black text looks on a background with the XYZ color 39.9961, 50.9904, 84.0780.



This preview shows how white text looks on a background with the XYZ color 39.9961, 50.9904,

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

39.9961, 50.9904, 84.0780

Protanopia

49.5332, 50.1089, 74.7714

Deuteranopia

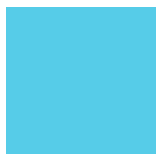
51.3369, 50.1609, 86.3332



Tritanopia

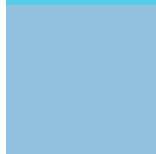
38.6495, 51.1659, 76.9462

Trichromacy



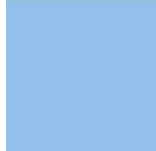
Original Color

39.9961, 50.9904, 84.0780



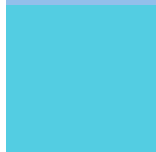
Protanomaly

44.3786, 49.6327, 77.7621



Deuteranomaly

45.4803, 49.3708, 85.7297



Tritanomaly

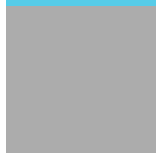
39.1261, 50.9926, 79.7319

Monochromacy



Original Color

39.9961, 50.9904, 84.0780



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.8626, 43.8387, 57.5051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9961, 50.9904, 84.0780 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, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(86, 204, 232)  
}
```

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, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 204, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.9961, 50.9904, 84.0780 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, 204, 232) }
```


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

```
.border{ border-color:rgb(86, 204, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 204, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(86, 204,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9961, 50.9904, 84.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 204, 232) }
```

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

```
.background{ background-color: rgb(86, 204,  
232) }
```

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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