

Converting Colors

XYZ(40.5196, 50.8937, 95.6304)

Have a look what the booklet for
XYZ(40.5196, 50.8937, 95.6304)
contains.

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Color

**XYZ(40.6281, 51.0594,
95.7098)**

Conversions

Conversions Part 1

Format	Color
Hex	42CCF7
RGB	66, 204, 247
RGB Percent	26%, 80%, 97%
CMY	0.7411, 0.2000, 0.0314
CMYK	0.73, 0.17, 0.00, 0.03
HSL	194°, 92%, 61%
HSV	194°, 73%, 97%
XYZ	40.6281, 51.0594, 95.7098
YIQ	167.6400, -96.0510, -15.8830

Conversions

Conversions Part 2

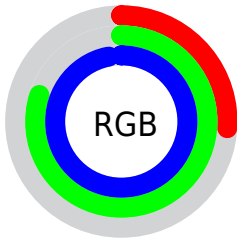
Format	Color
R _Y B	66, 144, 247
Decimal	4377847
CIE Lab	76.71, -22.99, -31.73
CIE LCh	77, 39.184, 234.079
Yxy	51.0594, 0.2168, 0.2725
Android (android.graphics.Color)	4282567927 (0xFF42CCF7)
YUV	167.6400, 39.1245, -89.1383
Hunter-Lab	71.4559, -23.5569, -29.3954

Details

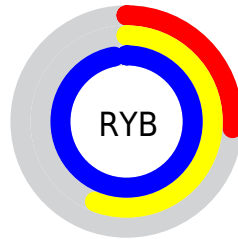
The XYZ color **40.6281, 51.0594, 95.7098** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.8117, 31.1074, 8.7986**, and the grayscale version is **36.8937, 38.8150, 42.2696**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **20.2006, 25.5304, 52.5784** is the 20% darker color. If you saturate the color by 10%, you get **37.9405, 47.6431, 95.1930**, and if you desaturate by 10%, it is **44.0895, 54.9545, 96.2802**.

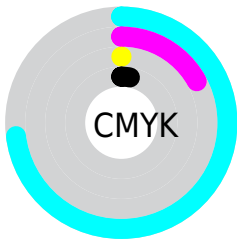
Distribution



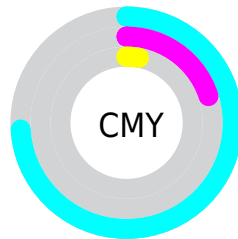
- Red (26%)
- Green (80%)
- Blue (97%)



- Red (26%)
- Yellow (56%)
- Blue (97%)



- Cyan (73%)
- Magenta (17%)
- Yellow (0%)
- Black (3%)



- Cyan (74%)
- Magenta (20%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6281, 51.0594, 95.7098 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 40.6281, 51.0594, 95.7098 by changing the saturation by 10% instead.

40.6281, 51.0594,
95.7098

40.6281, 51.0594,
95.7098

339.8531,
390.7945, 567.4771

28.2150, 36.2559,
72.1257

75.3973, 91.7426,
157.2489

18.6291, 24.6319,
52.7739

98.4841, 118.3910,
196.0409

11.5050, 15.8030,
37.2358

125.8595,
149.7566, 240.7394

6.4774, 9.3849,
25.0929

157.8889,
186.2236, 291.7629

3.1808, 4.9931,
15.9267

194.9375,
228.1765, 349.5298

1.2501, 2.2432,
9.3185

237.3709,

0.1454, 0.7434,

275.9997, 414.4588

4.8498

285.5543,
330.0776, 486.9684

■ 0.0000, 0.0000,
2.1022

■ 0.0000, 0.0000,
0.6171

■ 40.6281, 51.0594,
95.7098

■ 40.6281, 51.0594,
95.7098

■ 37.9405, 47.6431,
95.1930

■ 44.0895, 54.9545,
96.2802

■ 35.9212, 44.6476,
94.7213

■ 48.4023, 59.3665,
96.9045

■ 34.8404, 42.8188,
94.4252

■ 53.6399, 64.3348,
97.5874

■ 59.8661, 69.8933,
98.3321

67.1386, 76.0724,
99.1415

75.5109, 82.9006,
100.0182

85.0324, 90.4041,
100.9647

92.5096, 96.9372,
101.8316

93.7887, 99.4955,
102.2580

Harmonies

Analogous

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



36.6293, 51.0594, 73.9985



40.6281, 51.0594, 95.7098



47.0726, 51.0594, 106.9801

Triad

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



40.6281, 51.0594, 95.7098



64.1591, 51.0594, 59.9202



42.9362, 51.0594, 25.9996

Complementary

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



40.6281, 51.0594, 95.7098



44.8117, 31.1074, 8.7986

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.



50.0180, 51.0594, 24.0392



40.6281, 51.0594, 95.7098



62.7649, 51.0594, 40.5277

Square

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



40.6281, 51.0594, 95.7098



61.0329, 51.0594, 83.1945



57.3962, 51.0594, 28.6244



37.8638, 51.0594, 34.8940

Rectangle

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



40.6281, 51.0594, 95.7098



52.0864, 51.0594, 105.4254



57.3962, 51.0594, 28.6244



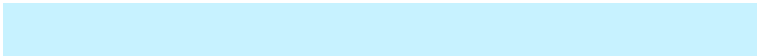
45.1401, 51.0594, 24.6213

Sweetspot

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



40.6298, 51.0612, 95.7111



73.2313, 82.6577, 106.7026



38.2284, 68.7688, 25.5141



15.1869, 17.2864, 22.7861



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.



40.6298, 51.0612, 95.7111



39.6506, 49.6001, 102.0917



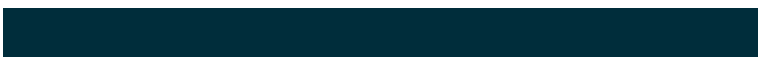
25.0847, 19.9711, 90.5294



16.6436, 18.0514, 21.1496



18.5408, 22.8754, 49.9762



1.7080, 2.1673, 4.4186

Inverse Universe

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



51.2065, 28.0320, 59.8403



52.3434, 26.4687, 58.0340



59.7050, 60.8940, 13.7631



17.0354, 16.6970, 19.9331



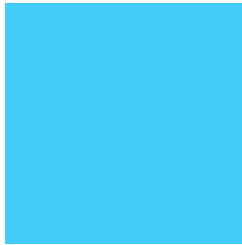
25.1631, 12.4087, 26.6307



2.2512, 1.1064, 2.5490

Previews

White Background



This preview shows how the XYZ color 40.6281, 51.0594, 95.7098 looks on a white background.

Color Contrast Check

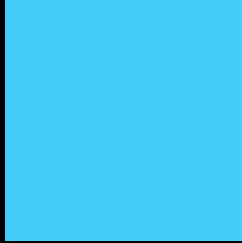
Large Text (above 18pt) WCAG AA × Fail

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 40.6281, 51.0594, 95.7098 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 40.6281, 51.0594, 95.7098

Background



This preview shows how black text looks on a background with the XYZ color 40.6281, 51.0594, 95.7098.

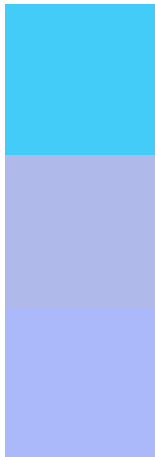


This preview shows how white text looks on a background with the XYZ color 40.6281, 51.0594,

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

40.6281, 51.0594, 95.7098

Protanopia

50.3147, 50.2884, 84.8967

Deuteranopia

51.5561, 50.3209, 98.2624



Tritanopia

37.3654, 51.1764, 79.1428

Trichromacy



Original Color

40.6281, 51.0594, 95.7098

Protanomaly

44.8033, 49.6062, 88.8749

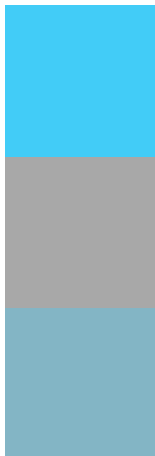
Deuteranomaly

45.7778, 49.5879, 97.6012

Tritanomaly

38.5964, 51.3211, 84.9625

Monochromacy



Original Color

40.6281, 51.0594, 95.7098

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.9620, 41.9043, 59.0163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6281, 51.0594, 95.7098 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(66, 204, 247)` looks like.

```
.text, #text, p{  
    color:rgb(66, 204, 247)  
}
```

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(66, 204, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 204, 247) }
```

Border

The CSS property to change the border of an element to XYZ 40.6281, 51.0594, 95.7098 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(66, 204, 247) }
```


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

```
.border{ border-color:rgb(66, 204, 247) }
```

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

Here you see how a box with a 4 pixel rgb(66, 204, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 204, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 204, 247);  
box-shadow:4px 4px 4px 4px rgb(66, 204,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6281, 51.0594, 95.7098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 204, 247) }
```

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

```
.background{ background-color: rgb(66, 204,  
247) }
```

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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