

Converting Colors

XYZ(40.6260, 49.9992, 86.1027)

Have a look what the booklet for
XYZ(40.6260, 49.9992, 86.1027)
contains.

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Color

**XYZ(40.5794, 49.8481,
86.0801)**

Conversions

Conversions Part 1

Format	Color
Hex	61C8EB
RGB	97, 200, 235
RGB Percent	38%, 78%, 92%
CMY	0.6196, 0.2157, 0.0784
CMYK	0.59, 0.15, 0.00, 0.08
HSL	195°, 78%, 65%
HSV	195°, 59%, 92%
XYZ	40.5794, 49.8481, 86.0801
YIQ	173.1930, -72.6230, -10.9510

Conversions

Conversions Part 2

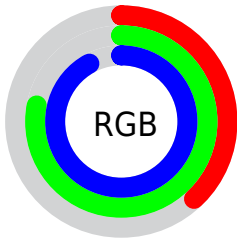
Format	Color
R _Y B	97, 156, 235
Decimal	6408427
CIE Lab	75.98, -19.95, -26.35
CIE LCh	76, 33.054, 232.868
Yxy	49.8481, 0.2299, 0.2824
Android (android.graphics.Color)	4284598507 (0xFF61C8EB)
YUV	173.1930, 30.4709, -66.8213
Hunter-Lab	70.6032, -20.9622, -22.8647

Details

The XYZ color **40.5794, 49.8481, 86.0801** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.6712, 35.0294, 15.7178**, and the grayscale version is **39.6965, 41.7638, 45.4808**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **18.5967, 23.9058, 46.2820** is the 20% darker color. If you saturate the color by 10%, you get **37.0831, 46.0373, 85.5297**, and if you desaturate by 10%, it is **44.8742, 54.1525, 86.6855**.

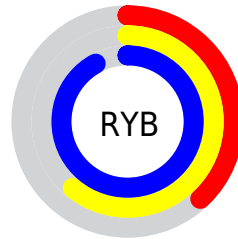
Distribution



Red (38%)

Green (78%)

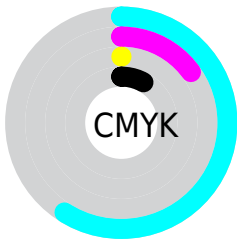
Blue (92%)



Red (38%)

Yellow (61%)

Blue (92%)

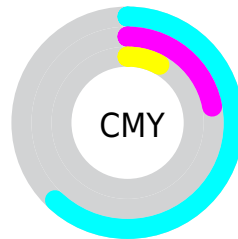


Cyan (59%)

Magenta (15%)

Yellow (0%)

Black (8%)



Cyan (62%)

Magenta (22%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5794, 49.8481, 86.0801 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 40.5794, 49.8481, 86.0801 by changing the saturation by 10% instead.

40.5794, 49.8481,
86.0801

40.5794, 49.8481,
86.0801

339.6523,
386.0716, 535.4328

28.1768, 35.2927,
64.1789

75.3237, 89.9498,
143.7688

18.6001, 23.8884,
46.3485

98.3962, 116.2649,
180.3934

11.4840, 15.2509,
32.1703

125.7560,
147.2686, 222.7629

6.4630, 8.9957,
21.2257

157.7685,
183.3455, 271.2959

3.1719, 4.7383,
13.0962

194.7990,
224.8798, 326.4108

1.2453, 2.0946,
7.3633

237.2129,

0.1417, 0.6616,

272.2560, 388.5262

3.6085

285.3756,
325.8585, 458.0607

■ 0.0000, 0.0000,
1.4131

■ 0.0000, 0.0000,
0.1519

■ 40.5794, 49.8481,
86.0801

■ 40.5794, 49.8481,
86.0801

■ 37.0831, 46.0373,
85.5297

■ 44.8742, 54.1525,
86.6855

■ 34.3122, 42.6783,
85.0275

■ 50.0227, 58.9767,
87.3453

■ 32.1877, 39.7308,
84.5705

■ 56.0804, 64.3514,
88.0635

■ 30.5904, 37.1321,
84.1531

■ 63.0968, 70.3027,
88.8424

■ 30.4036, 36.8142,
84.1016

■ 71.1176, 76.8551,
89.6844

■ 80.1854, 84.0315,
90.5916

■ 87.9055, 90.5981,
91.4522

■ 89.7058, 94.1988,
92.0523

■ 91.5645, 97.9160,
92.6719

Harmonies

Analogous

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



37.2772, 49.8481, 68.5627



40.5794, 49.8481, 86.0801



45.9230, 49.8481, 95.3988

Triad

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



40.5794, 49.8481, 86.0801



60.1379, 49.8481, 58.5998



42.9214, 49.8481, 28.6255

Complementary

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



40.5794, 49.8481, 86.0801



44.6712, 35.0294, 15.7178

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.



48.8657, 49.8481, 27.0841



40.5794, 49.8481, 86.0801



59.1588, 49.8481, 42.1262

Square

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



40.5794, 49.8481, 86.0801



57.4691, 49.8481, 77.4498



54.8989, 49.8481, 31.4651



38.5452, 49.8481, 36.2581

Rectangle

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



40.5794, 49.8481, 86.0801



50.0677, 49.8481, 94.5423



54.8989, 49.8481, 31.4651



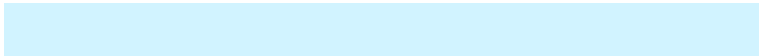
44.7886, 49.8481, 27.4568

Sweetspot

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



40.5810, 49.8499, 86.0813



76.5309, 85.1061, 107.0013



38.7702, 63.6115, 31.8876



15.8213, 17.7494, 22.8421



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.



40.5810, 49.8499, 86.0813



44.0501, 54.7365, 102.8513



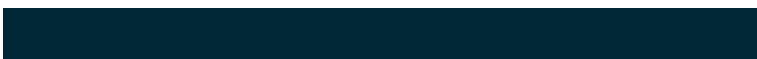
28.1104, 24.9086, 81.9244



15.1755, 16.4374, 19.2952



17.0280, 20.7031, 46.8416



1.4131, 1.7776, 3.7035

Inverse Universe

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



48.9623, 30.3833, 57.9294



55.4581, 31.1377, 63.8830



57.1902, 60.0673, 19.8908



15.5421, 15.2447, 18.1401



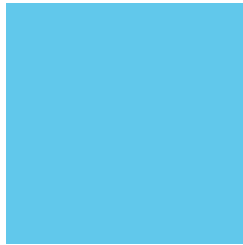
23.4503, 11.5828, 23.9702



1.8797, 0.9249, 2.0841

Previews

White Background



This preview shows how the XYZ color 40.5794, 49.8481, 86.0801 looks on a white background.

Color Contrast Check

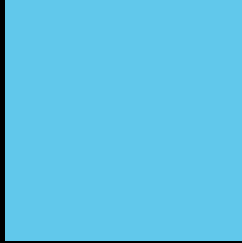
Large Text (above 18pt) WCAG AA × Fail

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 40.5794, 49.8481, 86.0801 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 40.5794, 49.8481, 86.0801

Background



This preview shows how black text looks on a background with the XYZ color 40.5794, 49.8481, 86.0801.

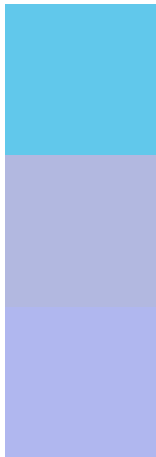


This preview shows how white text looks on a background with the XYZ color 40.5794, 49.8481,

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

40.5794, 49.8481, 86.0801

Protanopia

48.9551, 49.1278, 77.4234

Deuteranopia

50.4180, 49.3291, 88.5255



Tritanopia

38.3586, 50.0000, 74.6471

Trichromacy



Original Color

40.5794, 49.8481, 86.0801

Protanomaly

44.8115, 48.8179, 80.4598

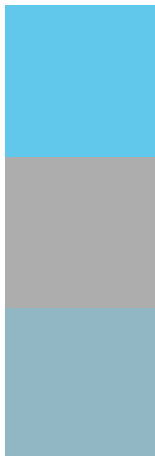
Deuteranomaly

45.6628, 48.7713, 87.8960

Tritanomaly

39.2253, 50.0045, 78.8186

Monochromacy



Original Color

40.5794, 49.8481, 86.0801

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.5743, 43.8722, 58.6597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5794, 49.8481, 86.0801 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(97, 200, 235)` looks like.

```
.text, #text, p{  
    color:rgb(97, 200, 235)  
}
```

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(97, 200, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 200, 235) }
```

Border

The CSS property to change the border of an element to XYZ 40.5794, 49.8481, 86.0801 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(97, 200, 235) }
```


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

```
.border{ border-color:rgb(97, 200, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 200, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 200, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 200, 235);  
box-shadow:4px 4px 4px 4px rgb(97, 200,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5794, 49.8481, 86.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 200, 235) }
```

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

```
.background{ background-color: rgb(97, 200,  
235) }
```

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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