

Converting Colors

XYZ(56.6172, 56.4079,
178.7541)

Have a look what the booklet for
XYZ(56.6172, 56.4079, 178.7541)
contains.

XYZ(42.0785, 50.6130, 102.1593)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.0785, 50.6130,
102.1593)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC9FF
RGB	78, 201, 255
RGB Percent	31%, 79%, 100%
CMY	0.6941, 0.2118, 0.0000
CMYK	0.69, 0.21, 0.00, 0.00
HSL	198°, 100%, 65%
HSV	198°, 69%, 100%
XYZ	42.0785, 50.6130, 102.1593
YIQ	170.3790, -90.6420, -9.2820

Conversions

Conversions Part 2

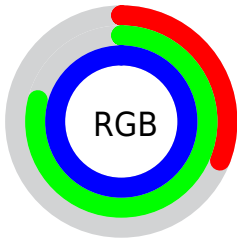
Format	Color
RYB	78, 151, 255
Decimal	5163519
CIELab	76.44, -17.39, -36.41
CIELCh	76, 40.349, 244.469
Yxy	50.6130, 0.2160, 0.2598
Android (android.graphics.Color)	4283353599 (0xFF4EC9FF)
YUV	170.3790, 41.7182, -81.0164
Hunter-Lab	71.1428, -18.9234, -35.3390

Details

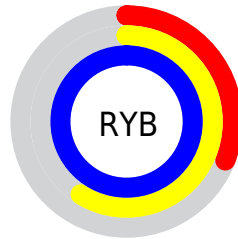
The XYZ color **42.0785, 50.6130, 102.1593** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **50.8679, 38.3149, 11.9242**, and the grayscale version is **38.2303, 40.2213, 43.8010**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **20.6268, 24.9447, 57.1537** is the 20% darker color. If you saturate the color by 10%, you get **38.6119, 46.2023, 101.4906**, and if you desaturate by 10%, it is **46.4494, 55.6281, 102.8969**.

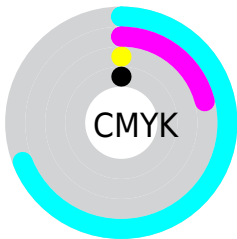
Distribution



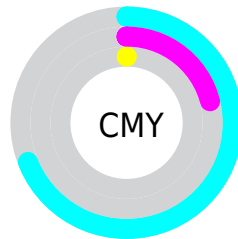
- Red (31%)
- Green (79%)
- Blue (100%)



- Red (31%)
- Yellow (59%)
- Blue (100%)



- Cyan (69%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0785, 50.6130, 102.1593 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 42.0785, 50.6130, 102.1593 by changing the saturation by 10% instead.

42.0785, 50.6130,
102.1593

42.0785, 50.6130,
102.1593

345.7943,
389.0583, 588.3993

29.3541, 35.9007,
77.4782

77.5828, 91.0825,
166.1991

19.4945, 24.3575,
57.1315

101.0935,
117.6084, 206.3948

12.1343, 15.5990,
40.7008

128.9304,
148.8411, 252.5992

6.9080, 9.2409,
27.7674

161.4587,
185.1648, 305.2307

3.4505, 4.8986,
17.9129

199.0439,
226.9640, 364.7080

1.3962, 2.1879,
10.7187

242.0514,

0.2535, 0.7134,

274.6230, 431.4495

5.7662

290.8464,
328.5264, 505.8737

■ 0.0000, 0.0000,
2.6370

■ 0.0000, 0.0000,
0.9114

■ 42.0785, 50.6130,
102.1593

■ 42.0785, 50.6130,
102.1593

■ 38.6119, 46.2023,
101.4906

■ 46.4494, 55.6281,
102.8969

■ 35.9441, 42.3368,
100.8851

■ 51.8050, 61.2883,
103.7071

■ 33.9224, 38.9368,
100.3354

■ 58.2215, 67.6355,
104.5941

■ 33.8122, 38.7444,
100.3041

■ 65.7657, 74.7063,
105.5613

■ 74.4990, 82.5340,
106.6119

■ 84.4779, 91.1496,
107.7489

95.0500, 100.0000,
108.9000

Harmonies

Analogous

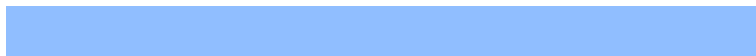
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0358, 50.6130, 82.3522



42.0785, 50.6130, 102.1593



49.2539, 50.6130, 108.2517

Triad

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



42.0785, 50.6130, 102.1593



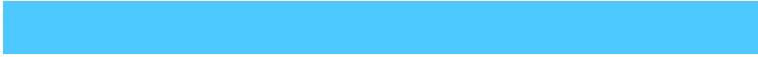
64.1959, 50.6130, 51.9115



40.3002, 50.6130, 27.3044

Complementary

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



42.0785, 50.6130, 102.1593



50.8679, 38.3149, 11.9242

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.



46.9763, 50.6130, 23.0281



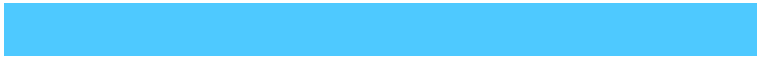
42.0785, 50.6130, 102.1593



61.1881, 50.6130, 34.6534

Square

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



42.0785, 50.6130, 102.1593



62.5347, 50.6130, 75.1872



54.6836, 50.6130, 25.3128



36.0875, 50.6130, 38.9670

Rectangle

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



42.0785, 50.6130, 102.1593



54.4167, 50.6130, 102.6546



54.6836, 50.6130, 25.3128



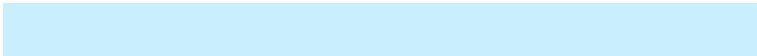
42.3033, 50.6130, 25.1183

Sweetspot

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



42.0800, 50.6147, 102.1595



73.0264, 81.2356, 106.4389



43.0068, 74.7818, 33.6786



15.1000, 16.9159, 22.7192



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.



42.0800, 50.6147, 102.1595



37.5673, 44.7539, 101.2661



27.1436, 20.7418, 97.1807



18.0597, 19.4911, 23.0603



17.8056, 20.5208, 52.4570



1.8302, 2.1912, 5.1397

Inverse Universe

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



54.5081, 30.9275, 58.3567



51.4578, 26.7498, 51.4120



68.1044, 72.7880, 17.6697



18.5428, 18.2004, 21.4755



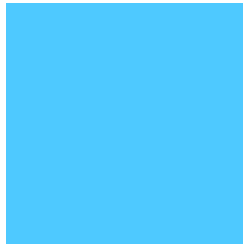
25.7757, 12.7996, 23.2668



2.5584, 1.2657, 2.5221

Previews

White Background



This preview shows how the XYZ color 42.0785, 50.6130, 102.1593 looks on a white background.

Color Contrast Check

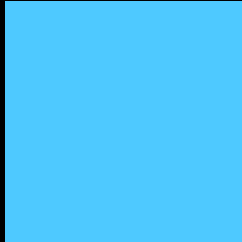
Large Text (above 18pt) WCAG AA × Fail

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 42.0785, 50.6130, 102.1593 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

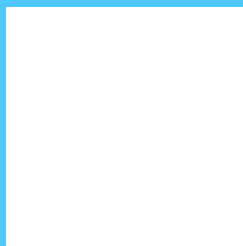
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0785, 50.6130, 102.1593

Background



This preview shows how black text looks on a background with the XYZ color 42.0785, 50.6130, 102.1593.



This preview shows how white text looks on a background with the XYZ color 42.0785, 50.6130,

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

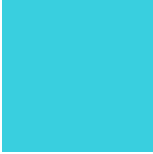
42.0785, 50.6130, 102.1593

Protanopia

50.5399, 49.9396, 91.7696

Deuteranopia

51.1248, 50.0249, 101.5689



Tritanopia

37.3194, 50.8232, 77.6550

Trichromacy



Original Color

42.0785, 50.6130, 102.1593

Protanomaly

45.9005, 49.3803, 95.1078

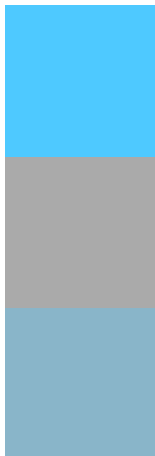
Deuteranomaly

46.5123, 49.5499, 101.7204

Tritanomaly

39.0067, 50.7846, 86.3438

Monochromacy



Original Color

42.0785, 50.6130, 102.1593

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.3830, 42.5832, 61.5074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0785, 50.6130, 102.1593 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(78, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 201, 255)  
}
```

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(78, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.0785, 50.6130, 102.1593 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(78, 201, 255) }
```


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

```
.border{ border-color:rgb(78, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0785, 50.6130, 102.1593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 201, 255) }
```

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

```
.background{ background-color: rgb(78, 201,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor