

Converting Colors

XYZ(40.9583, 51.0838,
102.3092)

Have a look what the booklet for
XYZ(40.9583, 51.0838, 102.3092)
contains.

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Color

**XYZ(40.9583, 51.0838,
102.3092)**

Conversions

Conversions Part 1

Format	Color
Hex	32CCFF
RGB	50, 204, 255
RGB Percent	20%, 80%, 100%
CMY	0.8038, 0.2000, 0.0000
CMYK	0.80, 0.20, 0.00, 0.00
HSL	195°, 100%, 60%
HSV	195°, 80%, 100%
XYZ	40.9583, 51.0838, 102.3092
YIQ	163.7680, -108.1550, -16.7870

Conversions

Conversions Part 2

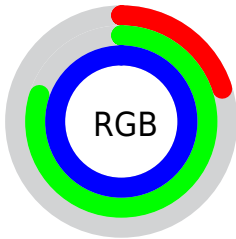
Format	Color
RYB	50, 138, 255
Decimal	3329279
CIELab	76.73, -22.03, -36.01
CIELCh	77, 42.218, 238.540
Yxy	51.0838, 0.2107, 0.2628
Android (android.graphics.Color)	4281519359 (0xFF32CCFF)
YUV	163.7680, 44.9774, -99.7745
Hunter-Lab	71.4729, -22.7864, -34.8390

Details

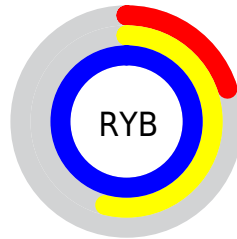
The XYZ color **40.9583, 51.0838, 102.3092** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.4716, 30.8014, 6.5159**, and the grayscale version is **35.0097, 36.8330, 40.1111**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **21.0994, 25.8899, 57.3113** is the 20% darker color. If you saturate the color by 10%, you get **38.5552, 47.6527, 101.7736**, and if you desaturate by 10%, it is **44.1248, 55.0015, 102.8985**.

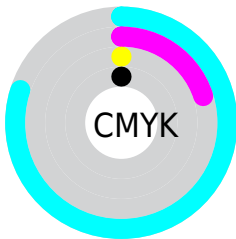
Distribution



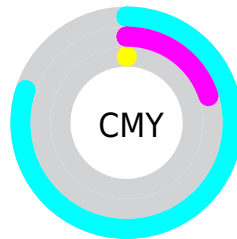
- Red (20%)
- Green (80%)
- Blue (100%)



- Red (20%)
- Yellow (54%)
- Blue (100%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9583, 51.0838, 102.3092 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 40.9583, 51.0838, 102.3092 by changing the saturation by 10% instead.

40.9583, 51.0838,
102.3092

40.9583, 51.0838,
102.3092

341.2119,
390.8893, 588.8809

28.4740, 36.2753,
77.6028

75.8957, 91.7786,
166.4064

18.8256, 24.6469,
57.2333

99.0795, 118.4338,
206.6344

11.6476, 15.8142,
40.7820

126.5606,
149.8065, 252.8733

6.5747, 9.3928,
27.8303

158.7043,
186.2814, 305.5417

3.2415, 4.9982,
17.9599

195.8759,
228.2427, 365.0581

1.2827, 2.2462,
10.7520

238.4407,

0.1702, 0.7450,

276.0749, 431.8410

5.7883

286.7643,
330.1622, 506.3091

■ 0.0000, 0.0000,
2.6501

■ 0.0000, 0.0000,
0.9181

■ 40.9583, 51.0838,
102.3092

■ 40.9583, 51.0838,
102.3092

■ 38.5552, 47.6527,
101.7736

■ 44.1248, 55.0015,
102.8985

■ 36.8026, 44.7253,
101.3009

■ 48.1524, 59.4544,
103.5457

■ 53.1282, 64.4894,
104.2553

■ 59.1272, 70.1462,
105.0310

■ 66.2162, 76.4603,
105.8761

■ 74.4566, 83.4641,
106.7936

■ 83.9046, 91.1878,
107.7865

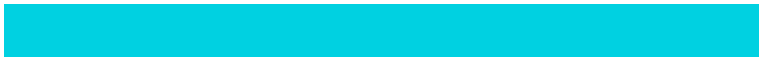
■ 94.6130, 99.6594,
108.8573

■ 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.



36.2530, 51.0838, 79.4411



40.9583, 51.0838, 102.3092



48.1626, 51.0838, 112.3214

Triad

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



40.9583, 51.0838, 102.3092



65.6154, 51.0838, 56.7521



41.5676, 51.0838, 25.1980

Complementary

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



40.9583, 51.0838, 102.3092



46.4716, 30.8014, 6.5159

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.



48.9468, 51.0838, 22.1776



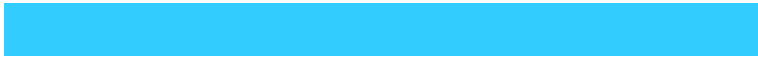
40.9583, 51.0838, 102.3092



63.3626, 51.0838, 37.1139

Square

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



40.9583, 51.0838, 102.3092



62.8955, 51.0838, 81.9334



57.0343, 51.0838, 25.8662



36.5767, 51.0838, 35.6485

Rectangle

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



40.9583, 51.0838, 102.3092



53.6118, 51.0838, 108.7299



57.0343, 51.0838, 25.8662



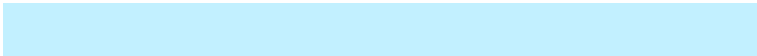
43.8241, 51.0838, 23.4315

Sweetspot

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



40.9599, 51.0855, 102.3094



71.3404, 80.8500, 106.4533



39.2739, 73.0776, 23.5534



14.6451, 16.7733, 22.7156



0.0000, 0.0000, 0.0000



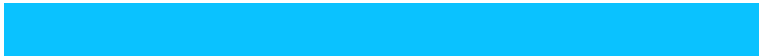
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.9599, 51.0855, 102.3094



37.4907, 45.9118, 101.4936



24.3856, 17.9371, 96.7847



18.1497, 19.6709, 23.0902



19.3546, 23.6187, 52.9734



1.9707, 2.4722, 5.1866

Inverse Universe

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



53.2809, 27.9027, 59.7058



51.0990, 25.3807, 53.3008



62.5490, 62.9562, 11.8750



18.5882, 18.2186, 21.7145



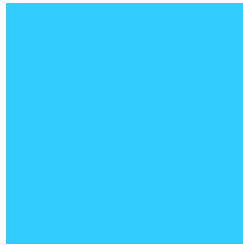
26.5575, 13.1123, 27.3840



2.6294, 1.2941, 2.8956

Previews

White Background



This preview shows how the XYZ color 40.9583, 51.0838, 102.3092 looks on a white background.

Color Contrast Check

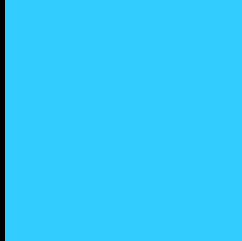
Large Text (above 18pt) WCAG AA × Fail

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 40.9583, 51.0838, 102.3092 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

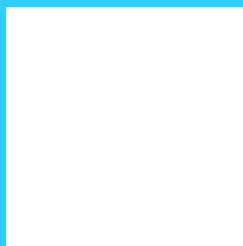
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9583, 51.0838, 102.3092

Background



This preview shows how black text looks on a background with the XYZ color 40.9583, 51.0838, 102.3092.



This preview shows how white text looks on a background with the XYZ color 40.9583, 51.0838,

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

40.9583, 51.0838, 102.3092

Protanopia

50.6697, 50.3529, 90.2676

Deuteranopia

51.5453, 50.5533, 101.6488



Tritanopia

36.5279, 51.0919, 79.8880

Trichromacy



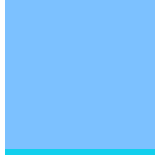
Original Color

40.9583, 51.0838, 102.3092



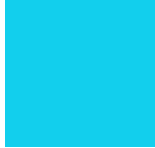
Protanomaly

44.6066, 49.3829, 94.3696



Deuteranomaly

45.4321, 49.6450, 101.7957



Tritanomaly

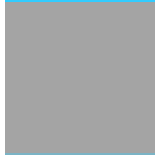
37.8483, 50.8687, 87.9446

Monochromacy



Original Color

40.9583, 51.0838, 102.3092



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

34.3665, 40.4824, 58.8259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9583, 51.0838, 102.3092 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(50, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 204, 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(50, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.9583, 51.0838, 102.3092 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(50, 204, 255) }
```


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

```
.border{ border-color:rgb(50, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9583, 51.0838, 102.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 204, 255) }
```

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

```
.background{ background-color: rgb(50, 204,  
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](#).

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