

Converting Colors

XYZ(50.1229, 51.8644,
101.9768)

Have a look what the booklet for
XYZ(50.1229, 51.8644, 101.9768)
contains.

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Color

**XYZ(50.0365, 51.6916,
101.9480)**

Conversions

Conversions Part 1

Format	Color
Hex	99C0FF
RGB	153, 192, 255
RGB Percent	60%, 75%, 100%
CMY	0.4000, 0.2470, 0.0000
CMYK	0.40, 0.25, 0.00, 0.00
HSL	217°, 100%, 80%
HSV	217°, 40%, 100%
XYZ	50.0365, 51.6916, 101.9480
YIQ	187.5210, -43.4670, 11.3250

Conversions

Conversions Part 2

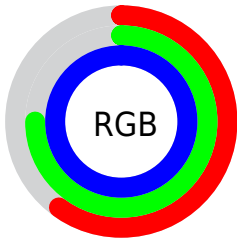
Format	Color
RYB	153, 181, 255
Decimal	10076415
CIELab	77.10, 2.45, -35.15
CIElCh	77, 35.235, 273.986
Yxy	51.6916, 0.2457, 0.2538
Android (android.graphics.Color)	4288266495 (0xFF99C0FF)
YUV	187.5210, 33.2671, -30.2749
Hunter-Lab	71.8969, -1.5928, -33.7440

Details

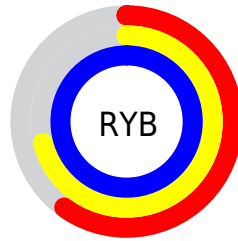
The XYZ color **50.0365, 51.6916, 101.9480** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.5463, 72.6723, 40.3952**, and the grayscale version is **47.3651, 49.8318, 54.2669**.

A 20% lighter version of the original color is **78.1957, 88.0564, 107.4830**, and **24.3554, 25.0838, 56.9841** is the 20% darker color. If you saturate the color by 10%, you get **42.4528, 42.9210, 100.6548**, and if you desaturate by 10%, it is **59.0218, 61.7362, 103.4132**.

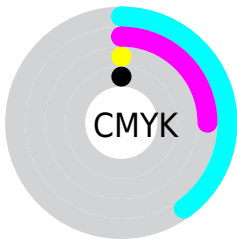
Distribution



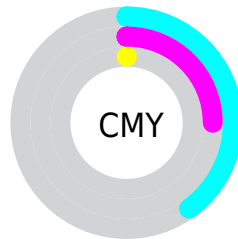
- Red (60%)
- Green (75%)
- Blue (100%)



- Red (60%)
- Yellow (71%)
- Blue (100%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0365, 51.6916, 101.9480 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 50.0365, 51.6916, 101.9480 by changing the saturation by 10% instead.

■ 50.0365, 51.6916,
101.9480

■ 50.0365, 51.6916,
101.9480

377.2583,
393.2449, 587.7202

■ 35.6603, 36.7593,
77.3025

■ 89.4205, 92.6763,
165.9068

■ 24.3409, 25.0212,
56.9881

■ 115.1589,
119.4974, 206.0571

■ 15.7128, 16.0928,
40.5864

145.4156,
151.0503, 252.2128

■ 9.4107, 9.5899,
27.6788

180.5557,
187.7194, 304.7923

■ 5.0693, 5.1279,
17.8467

220.9447,
229.8890, 364.2143

■ 2.3231, 2.3225,
10.6717

266.9479,

■ 0.8065, 0.7856,

277.9435, 430.8972

5.7352

318.9306,
332.2673, 505.2597

■ 0.0000, 0.0000,
2.6185

■ 0.0000, 0.0000,
0.9020

■ 50.0365, 51.6916,
101.9480

■ 50.0365, 51.6916,
101.9480

■ 42.4528, 42.9210,
100.6548

■ 59.0218, 61.7362,
103.4132

■ 36.1883, 35.3617,
99.5259

■ 69.4753, 73.1026,
105.0562

■ 31.1586, 28.9529,
98.5540

■ 81.4649, 85.8423,
106.8833

■ 27.2662, 23.6255,
97.7308

95.0500, 100.0000,
108.9000

■ 24.3970, 19.3002,
97.0472

■ 22.3715, 15.8629,
96.4905

■ 22.3712, 15.8624,
96.4904

Harmonies

Analogous

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



43.6708, 51.6916, 96.5976



50.0365, 51.6916, 101.9480



56.7269, 51.6916, 92.9510

Triad

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



50.0365, 51.6916, 101.9480



60.6630, 51.6916, 38.0023



38.3939, 51.6916, 41.5416

Complementary

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



50.0365, 51.6916, 101.9480



71.5463, 72.6723, 40.3952

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.



42.2460, 51.6916, 30.8041



50.0365, 51.6916, 101.9480



55.0291, 51.6916, 29.1121

Square

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



50.0365, 51.6916, 101.9480



63.2063, 51.6916, 53.7459



48.2371, 51.6916, 26.8134



37.3182, 51.6916, 58.8995

Rectangle

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



50.0365, 51.6916, 101.9480



60.3612, 51.6916, 81.0115



48.2371, 51.6916, 26.8134



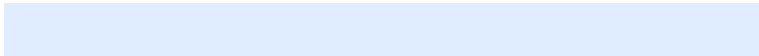
39.3885, 51.6916, 37.1813

Sweetspot

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



50.0381, 51.6935, 101.9483



78.9389, 83.1799, 106.5025



61.2797, 83.2455, 77.7373



16.5507, 17.4386, 22.7436



0.0000, 0.0000, 0.0000



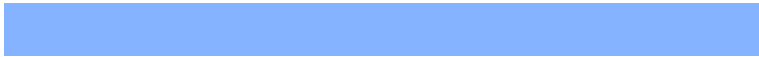
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0381, 51.6935, 101.9483



43.8604, 44.5751, 100.8999



44.9390, 37.9929, 99.5726



17.5723, 18.5162, 22.8978



11.8224, 8.5543, 50.4626



1.2527, 1.0362, 4.9472

Inverse Universe

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



62.1468, 47.8498, 55.8316



57.7502, 41.1966, 47.7686



78.5070, 92.8926, 43.9312



18.2968, 18.1020, 20.1799



22.7556, 11.5915, 7.3633



2.2669, 1.1491, 0.9871

Previews

White Background



This preview shows how the XYZ color 50.0365, 51.6916, 101.9480 looks on a white background.

Color Contrast Check

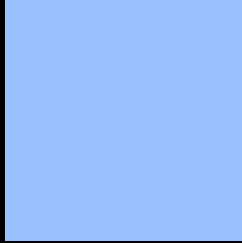
Large Text (above 18pt) WCAG AA × Fail

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 50.0365, 51.6916, 101.9480 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

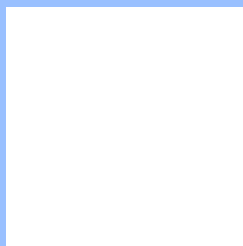
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0365, 51.6916, 101.9480

Background



This preview shows how black text looks on a background with the XYZ color 50.0365, 51.6916, 101.9480.



This preview shows how white text looks on a background with the XYZ color 50.0365, 51.6916,

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

50.0365, 51.6916, 101.9480

Protanopia

52.5672, 51.7654, 99.3166

Deuteranopia

52.8336, 51.5313, 101.7696



Tritanopia

44.0169, 51.5928, 71.9284

Trichromacy



Original Color

50.0365, 51.6916, 101.9480

Protanomaly

51.4443, 51.4864, 100.1550

Deuteranomaly

51.7646, 51.6145, 101.8421

Tritanomaly

46.0555, 51.3961, 82.3560

Monochromacy



Original Color

50.0365, 51.6916, 101.9480

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.7605, 50.2626, 69.4718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0365, 51.6916, 101.9480 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(153, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 192, 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(153, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 192, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.0365, 51.6916, 101.9480 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(153, 192, 255) }
```


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

```
.border{ border-color:rgb(153, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 192, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 192, 255); box-shadow:4px 4px 4px 4px rgb(153, 192, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0365, 51.6916, 101.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 192, 255) }
```

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

```
.background{ background-color: rgb(153,  
192, 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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