

Converting Colors

XYZ(51.2422, 49.2514,
105.5544)

Have a look what the booklet for
XYZ(51.2422, 49.2514, 105.5544)
contains.

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Color

**XYZ(50.5005, 49.0863,
101.4207)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B7FF
RGB	165, 183, 255
RGB Percent	65%, 72%, 100%
CMY	0.3529, 0.2823, 0.0000
CMYK	0.35, 0.28, 0.00, 0.00
HSL	228°, 100%, 82%
HSV	228°, 35%, 100%
XYZ	50.5005, 49.0863, 101.4207
YIQ	185.8260, -33.8400, 18.5760

Conversions

Conversions Part 2

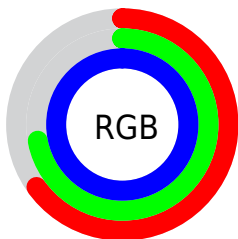
Format	Color
RYB	165, 180, 255
Decimal	10860543
CIELab	75.50, 10.55, -37.56
CIELCh	76, 39.009, 285.693
Yxy	49.0863, 0.2512, 0.2442
Android (android.graphics.Color)	4289050623 (0xFFA5B7FF)
YUV	185.8260, 34.1028, -18.2644
Hunter-Lab	70.0616, 6.0552, -36.7847

Details

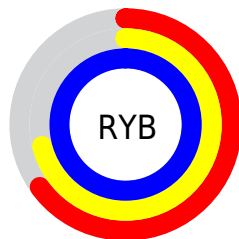
The XYZ color **50.5005, 49.0863, 101.4207** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.3162, 84.5453, 47.7903**, and the grayscale version is **46.4049, 48.8216, 53.1667**.

A 20% lighter version of the original color is **79.0407, 84.4826, 106.7486**, and **24.6061, 23.3575, 56.6376** is the 20% darker color. If you saturate the color by 10%, you get **41.8087, 38.8062, 99.8945**, and if you desaturate by 10%, it is **60.8626, 61.1347, 103.2001**.

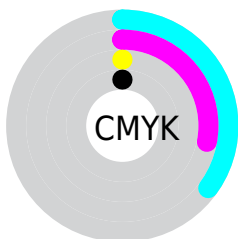
Distribution



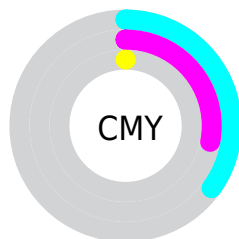
- Red (65%)
- Green (72%)
- Blue (100%)



- Red (65%)
- Yellow (71%)
- Blue (100%)



- Cyan (35%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5005, 49.0863, 101.4207 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 50.5005, 49.0863, 101.4207 by changing the saturation by 10% instead.

■ 50.5005, 49.0863,
101.4207

■ 50.5005, 49.0863,
101.4207

379.0397,
383.0820, 586.0236

■ 36.0307, 34.6879,
76.8641

■ 90.1034, 88.8196,
165.1771

■ 24.6281, 23.4226,
56.6304

■ 115.9672,
114.9234, 205.2139

■ 15.9274, 14.9059,
40.3012

146.3596,
145.6977, 251.2478

■ 9.5633, 8.7533,
27.4579

181.6461,
181.5270, 303.6974

■ 5.1705, 4.5806,
17.6819

222.1920,
222.7957, 362.9813

■ 2.3834, 2.0034,
10.5548

268.3627,

■ 0.8368, 0.6094,

269.8882, 429.5179

5.6580

320.5235,
323.1888, 503.7258

■ 0.0000, 0.0000,
2.5728

■ 0.0000, 0.0000,
0.8784

■ 50.5005, 49.0863,
101.4207

■ 50.5005, 49.0863,
101.4207

■ 41.8087, 38.8062,
99.8945

■ 60.8626, 61.1347,
103.2001

■ 34.6932, 30.2043,
98.6092

■ 72.9728, 75.0251,
105.2429

■ 29.0578, 23.1903,
97.5524

■ 86.9097, 90.8332,
107.5597

■ 24.7931, 17.6629,
96.7103

■ 95.0500, 100.0000,
108.9000

■ 21.7739, 13.5081,
96.0675

■ 19.8494, 10.5936,
95.6063

■ 19.2339, 9.5878,
95.4446

Harmonies

Analogous

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



43.3172, 49.0863, 101.8018



50.5005, 49.0863, 101.4207



57.2790, 49.0863, 86.1971

Triad

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



50.5005, 49.0863, 101.4207



57.0078, 49.0863, 29.7998



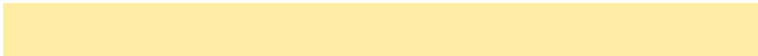
34.4858, 49.0863, 44.2362

Complementary

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



50.5005, 49.0863, 101.4207



78.3162, 84.5453, 47.7903

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.



37.4334, 49.0863, 30.2617



50.5005, 49.0863, 101.4207



50.1601, 49.0863, 23.4997

Square

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



50.5005, 49.0863, 101.4207



61.2913, 49.0863, 43.4242



43.0100, 49.0863, 23.6436



34.5567, 49.0863, 64.9035

Rectangle

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



50.5005, 49.0863, 101.4207



60.4423, 49.0863, 71.4828



43.0100, 49.0863, 23.6436



35.1421, 49.0863, 38.7323

Sweetspot

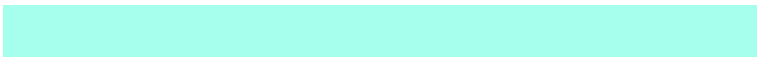
The Sweet Spot groups the original color and five complimentary colors.



50.5020, 49.0881, 101.4210



78.7273, 81.5718, 106.2033



66.3457, 85.5469, 91.9926



16.4540, 17.0089, 22.6658



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.



50.5020, 49.0881, 101.4210



44.4923, 42.0019, 100.3699



52.8668, 45.1436, 100.5349



17.2971, 17.9659, 22.8061



10.1327, 5.1749, 49.8994



1.0591, 0.6488, 4.8827

Inverse Universe

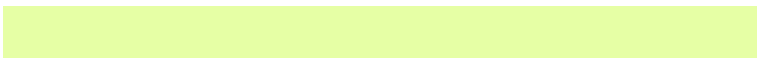
The Inverse Universe completely reimagines the original color for something new.



63.2434, 51.5907, 51.4263



59.0058, 45.2851, 43.3250



75.0251, 90.9773, 49.2052



18.1579, 18.0465, 19.4486



21.9027, 11.2504, 2.8722



2.1692, 1.1100, 0.4723

Previews

White Background



This preview shows how the XYZ color 50.5005, 49.0863, 101.4207 looks on a white background.

Color Contrast Check

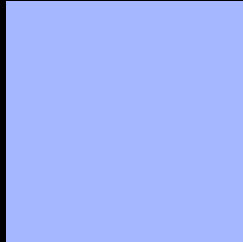
Large Text (above 18pt) WCAG AA × Fail

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 50.5005, 49.0863, 101.4207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

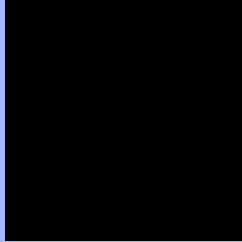
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5005, 49.0863, 101.4207

Background



This preview shows how black text looks on a background with the XYZ color 50.5005, 49.0863, 101.4207.



This preview shows how white text looks on a background with the XYZ color 50.5005, 49.0863,

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

50.5005, 49.0863, 101.4207

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

50.2933, 48.9795, 101.4110



Tritanopia

43.4385, 49.0743, 66.2143

Trichromacy



Original Color

50.5005, 49.0863, 101.4207

Protanomaly

50.2933, 48.9795, 101.4110

Deuteranomaly

50.2933, 48.9795, 101.4110

Tritanomaly

45.7527, 49.0461, 77.5764

Monochromacy



Original Color

50.5005, 49.0863, 101.4207

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4669, 48.8660, 68.5583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5005, 49.0863, 101.4207 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(165, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 183, 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(165, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.5005, 49.0863, 101.4207 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(165, 183, 255) }
```


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

```
.border{ border-color:rgb(165, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5005, 49.0863, 101.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 183, 255) }
```

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

```
.background{ background-color: rgb(165,  
183, 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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