

Converting Colors

XYZ(50.0042, 49.9849, 76.7478)

Have a look what the booklet for
XYZ(50.0042, 49.9849, 76.7478)
contains.

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Color

**XYZ(49.9596, 49.9707,
76.8242)**

Conversions

Conversions Part 1

Format	Color
Hex	B6B9DF
RGB	182, 185, 223
RGB Percent	71%, 73%, 87%
CMY	0.2863, 0.2745, 0.1255
CMYK	0.18, 0.17, 0.00, 0.13
HSL	236°, 39%, 79%
HSV	236°, 18%, 87%
XYZ	49.9596, 49.9707, 76.8242
YIQ	188.4350, -13.9860, 11.1820

Conversions

Conversions Part 2

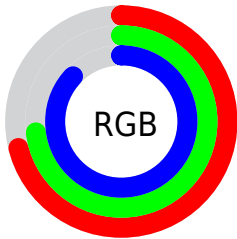
Format	Color
R _Y B	182, 185, 223
Decimal	11975135
CIE Lab	76.05, 6.75, -19.34
CIE LCh	76, 20.484, 289.228
Yxy	49.9707, 0.2826, 0.2827
Android (android.graphics.Color)	4290165215 (0xFFB6B9DF)
YUV	188.4350, 17.0405, -5.6435
Hunter-Lab	70.6900, 2.4461, -14.9520

Details

The XYZ color **49.9596, 49.9707, 76.8242** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.4685, 70.2516, 54.4192**, and the grayscale version is **47.9603, 50.4580, 54.9487**.

A 20% lighter version of the original color is **84.7652, 88.3077, 107.1852**, and **24.3724, 23.9968, 40.3931** is the 20% darker color. If you saturate the color by 10%, you get **41.0929, 39.4423, 75.2602**, and if you desaturate by 10%, it is **60.2965, 62.1924, 78.6392**.

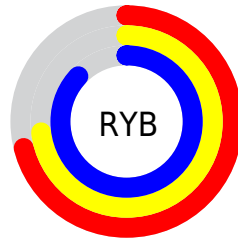
Distribution



Red (71%)

Green (73%)

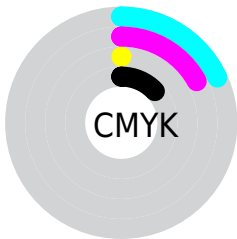
Blue (87%)



Red (71%)

Yellow (73%)

Blue (87%)

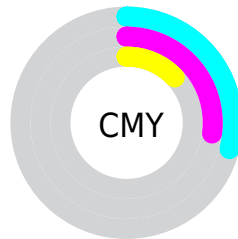


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (13%)



Cyan (29%)

Magenta (27%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9596, 49.9707, 76.8242 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 49.9596, 49.9707, 76.8242 by changing the saturation by 10% instead.

■ 49.9596, 49.9707,
76.8242

■ 49.9596, 49.9707,
76.8242

376.9625,
386.5514, 503.5862

■ 35.5990, 35.3901,
56.5979

■ 89.3072, 90.1315,
130.6620

■ 24.2933, 23.9635,
40.2753

115.0249,
116.4804, 165.1107

■ 15.6772, 15.3066,
27.4378

145.2589,
147.5210, 205.1371

■ 9.3855, 9.0348,
17.6670

180.3747,
183.6375, 251.1600

■ 5.0526, 4.7639,
10.5442

220.7376,
225.2144, 303.5978

■ 2.3132, 2.1094,
5.6510

266.7130,

■ 0.8014, 0.6699,

272.6361, 362.8690

2.5687

318.6662,
326.2870, 429.3923

■ 0.0000, 0.0000,
0.8762

■ 0.0000, 0.0000,
0.0000

■ 49.9596, 49.9707,
76.8242

■ 49.9596, 49.9707,
76.8242

■ 41.0929, 39.4423,
75.2602

■ 60.2965, 62.1924,
78.6392

■ 33.6252, 30.5267,
73.9329

■ 72.1612, 76.1711,
80.7121

■ 27.4863, 23.1460,
72.8318

■ 85.6142, 91.9747,
83.0534

■ 22.5979, 17.2133,
71.9443

■ 90.3194, 98.1078,
83.9892

■ 18.8739, 12.6332,
71.2565

■ 16.2167, 9.2986,
70.7530

■ 14.5130, 7.0862,
70.4157

■ 13.6088, 5.8396,
70.2228

■ 13.5096, 5.7082,
70.2026

Harmonies

Analogous

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



46.1340, 49.9707, 77.8405



49.9596, 49.9707, 76.8242



53.2871, 49.9707, 69.3598

Triad

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



49.9596, 49.9707, 76.8242



52.4633, 49.9707, 39.9638



40.6295, 49.9707, 50.5663

Complementary

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



49.9596, 49.9707, 76.8242



64.4685, 70.2516, 54.4192

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.



42.1398, 49.9707, 41.7786



49.9596, 49.9707, 76.8242



48.8838, 49.9707, 36.2268

Square

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



49.9596, 49.9707, 76.8242



54.7854, 49.9707, 47.7624



45.1141, 49.9707, 36.8433



40.8830, 49.9707, 61.6466

Rectangle

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



49.9596, 49.9707, 76.8242



54.7109, 49.9707, 62.2284



45.1141, 49.9707, 36.8433



40.9444, 49.9707, 47.2748

Sweetspot

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



49.9612, 49.9727, 76.8253



85.2855, 88.4970, 107.1944



58.5432, 67.8666, 77.4360



18.0370, 18.6854, 22.9059



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.



49.9612, 49.9727, 76.8253



62.9344, 62.0640, 103.2703



53.6236, 50.9383, 76.8187



13.0323, 13.4036, 17.2880



7.9740, 3.4175, 41.2877



0.5813, 0.2941, 2.8714

Inverse Universe

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



55.9175, 52.6479, 53.1161



72.4208, 66.3730, 65.4990



60.2626, 69.2636, 54.4501



13.7477, 13.7167, 14.4418



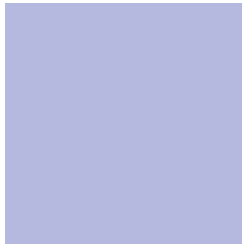
17.9651, 9.2530, 1.2160



1.2597, 0.6471, 0.1604

Previews

White Background



This preview shows how the XYZ color 49.9596, 49.9707, 76.8242 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 49.9596, 49.9707, 76.8242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

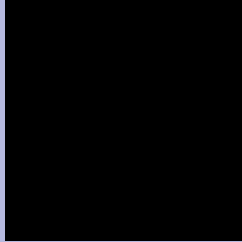
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9596, 49.9707, 76.8242

Background



This preview shows how black text looks on a background with the XYZ color 49.9596, 49.9707, 76.8242.



This preview shows how white text looks on a background with the XYZ color 49.9596, 49.9707,

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

49.9596, 49.9707, 76.8242

Protanopia

49.7006, 50.1488, 76.8722

Deuteranopia

50.9918, 49.8861, 76.7535



Tritanopia

47.1228, 49.7432, 63.6177

Trichromacy



Original Color

49.9596, 49.9707, 76.8242

Protanomaly

49.9342, 50.2693, 76.8832

Deuteranomaly

50.7095, 50.0478, 76.7996

Tritanomaly

47.9936, 49.7775, 68.0513

Monochromacy



Original Color

49.9596, 49.9707, 76.8242

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.5626, 50.1968, 62.3878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9596, 49.9707, 76.8242 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(182, 185, 223)` looks like.

```
.text, #text, p{  
    color:rgb(182, 185, 223)  
}
```

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(182, 185, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 185, 223) }
```

Border

The CSS property to change the border of an element to XYZ 49.9596, 49.9707, 76.8242 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(182, 185, 223) }
```


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

```
.border{ border-color:rgb(182, 185, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 185, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 185, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 185, 223);  
box-shadow:4px 4px 4px 4px rgb(182, 185,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9596, 49.9707, 76.8242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 185, 223) }
```

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

```
.background{ background-color: rgb(182,  
185, 223) }
```

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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