

Converting Colors

XYZ(50.7463, 49.7595, 76.7420)

Have a look what the booklet for
XYZ(50.7463, 49.7595, 76.7420)
contains.

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Color

**XYZ(50.7463, 49.7595,
76.7420)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB7DF
RGB	187, 183, 223
RGB Percent	73%, 72%, 87%
CMY	0.2667, 0.2823, 0.1255
CMYK	0.16, 0.18, 0.00, 0.13
HSL	246°, 38%, 80%
HSV	246°, 18%, 87%
XYZ	50.7463, 49.7595, 76.7420
YIQ	188.7560, -10.4560, 13.2880

Conversions

Conversions Part 2

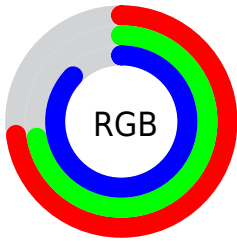
Format	Color
R _Y B	187, 183, 223
Decimal	12302303
CIE Lab	75.92, 9.41, -19.50
CIE LCh	76, 21.654, 295.765
Yxy	49.7595, 0.2863, 0.2807
Android (android.graphics.Color)	4290492383 (0xFFBBB7DF)
YUV	188.7560, 16.8823, -1.5400
Hunter-Lab	70.5404, 4.9660, -15.1242

Details

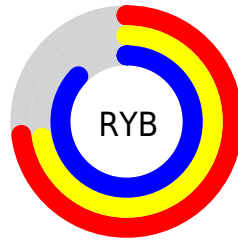
The XYZ color **50.7463, 49.7595, 76.7420** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.1501, 71.2556, 55.1747**, and the grayscale version is **48.1426, 50.6498, 55.1576**.

A 20% lighter version of the original color is **85.8787, 88.0077, 107.0686**, and **24.7234, 23.7790, 40.3325** is the 20% darker color. If you saturate the color by 10%, you get **41.9345, 38.9222, 75.1154**, and if you desaturate by 10%, it is **60.9762, 62.4121, 78.6458**.

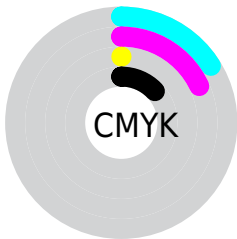
Distribution



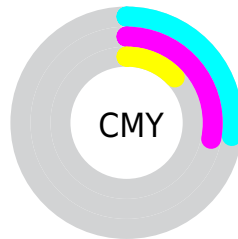
- Red (73%)
- Green (72%)
- Blue (87%)



- Red (73%)
- Yellow (72%)
- Blue (87%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7463, 49.7595, 76.7420 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 50.7463, 49.7595, 76.7420 by changing the saturation by 10% instead.

■ 50.7463, 49.7595,
76.7420

■ 50.7463, 49.7595,
76.7420

379.9812,
385.7247, 503.2982

■ 36.2270, 35.2223,
56.5309

■ 90.4649, 89.8184,
130.5449

■ 24.7805, 23.8342,
40.2218

116.3948,
116.1090, 164.9737

■ 16.0414, 15.2107,
27.3965

146.8590,
147.0862, 204.9789

■ 9.6445, 8.9674,
17.6361

182.2228,
183.1343, 250.9789

■ 5.2243, 4.7199,
10.5223

222.8516,
224.6379, 303.3923

■ 2.4156, 2.0839,
5.6365

269.1107,

■ 0.8529, 0.6555,

271.9812, 362.6376

2.5602

321.3654,
325.5486, 429.1334

■ 0.0000, 0.0000,
0.8718

■ 0.0000, 0.0000,
0.0000

■ 50.7463, 49.7595,
76.7420

■ 50.7463, 49.7595,
76.7420

■ 41.9345, 38.9222,
75.1154

■ 60.9762, 62.4121,
78.6458

■ 34.4735, 29.8110,
73.7500

■ 72.6782, 76.9516,
80.8355

■ 28.2978, 22.3384,
72.6332

■ 85.9092, 93.4530,
83.3232

■ 23.3343, 16.4067,
71.7498

■ 90.3194, 98.1078,
83.9892

■ 19.5024, 11.9079,
71.0834

■ 16.7120, 8.7198,
70.6151

■ 14.8587, 6.6999,
70.3229

■ 13.8066, 5.6531,
70.1763

■ 13.6568, 5.5017,
70.1550

Harmonies

Analogous

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



46.7245, 49.7595, 79.4820



50.7463, 49.7595, 76.7420



53.9998, 49.7595, 67.6588

Triad

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



50.7463, 49.7595, 76.7420



51.7930, 49.7595, 37.8153



39.9755, 49.7595, 52.5560

Complementary

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



50.7463, 49.7595, 76.7420



64.1501, 71.2556, 55.1747

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.



41.1693, 49.7595, 42.6213



50.7463, 49.7595, 76.7420



47.8699, 49.7595, 34.9129

Square

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



50.7463, 49.7595, 76.7420



54.6278, 49.7595, 45.0882



44.0037, 49.7595, 36.5394



40.6494, 49.7595, 64.4177

Rectangle

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



50.7463, 49.7595, 76.7420



55.2165, 49.7595, 59.8263



44.0037, 49.7595, 36.5394



40.1697, 49.7595, 48.9000

Sweetspot

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



50.7478, 49.7616, 76.7431



87.0200, 90.0213, 107.3971



58.3551, 66.4079, 79.5552



18.3931, 18.9794, 22.9439



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.



50.7478, 49.7616, 76.7431



63.4916, 60.9301, 103.0220



55.8007, 52.3664, 76.9796



13.0785, 13.3085, 17.2672



8.0733, 3.2573, 41.2516



0.6035, 0.2484, 2.8614

Inverse Universe

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



60.1527, 54.6715, 74.4023



78.8006, 68.9249, 99.0944



58.6669, 68.4290, 54.9181



14.2329, 13.9108, 16.9965



24.0960, 11.7054, 33.5010



1.6875, 0.8183, 2.4133

Previews

White Background



This preview shows how the XYZ color 50.7463, 49.7595, 76.7420 looks on a white background.

Color Contrast Check

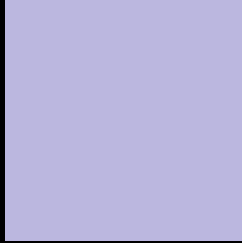
Large Text (above 18pt) WCAG AA × Fail

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 50.7463, 49.7595, 76.7420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

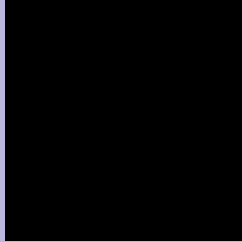
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7463, 49.7595, 76.7420

Background



This preview shows how black text looks on a background with the XYZ color 50.7463, 49.7595, 76.7420.



This preview shows how white text looks on a background with the XYZ color 50.7463, 49.7595,

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

50.7463, 49.7595, 76.7420

Protanopia

49.5300, 49.7179, 78.2202

Deuteranopia

50.9918, 49.8861, 76.7535



Tritanopia

47.9594, 49.8722, 62.9757

Trichromacy



Original Color

50.7463, 49.7595, 76.7420

Protanomaly

49.8864, 49.6079, 77.4670

Deuteranomaly

50.9918, 49.8861, 76.7535

Tritanomaly

48.9589, 49.9613, 68.0359

Monochromacy



Original Color

50.7463, 49.7595, 76.7420

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.0520, 50.4491, 62.4107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7463, 49.7595, 76.7420 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(187, 183, 223)` looks like.

```
.text, #text, p{  
    color:rgb(187, 183, 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(187, 183, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 183, 223) }
```

Border

The CSS property to change the border of an element to XYZ 50.7463, 49.7595, 76.7420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

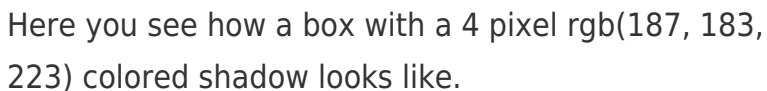
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 183, 223) }
```


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

```
.border{ border-color:rgb(187, 183, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 183, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 183, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 183, 223); box-shadow:4px 4px 4px 4px rgb(187, 183, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7463, 49.7595, 76.7420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 183, 223) }
```

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

```
.background{ background-color: rgb(187,  
183, 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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