

Converting Colors

XYZ(50.7736, 43.3886, 66.7670)

Have a look what the booklet for
XYZ(50.7736, 43.3886, 66.7670)
contains.

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Color

**XYZ(50.7820, 43.4964,
66.6919)**

Conversions

Conversions Part 1

Format	Color
Hex	D2A0D2
RGB	210, 160, 210
RGB Percent	82%, 63%, 82%
CMY	0.1765, 0.3725, 0.1765
CMYK	0.00, 0.24, 0.00, 0.18
HSL	300°, 36%, 73%
HSV	300°, 24%, 82%
XYZ	50.7820, 43.4964, 66.6919
YIQ	180.6500, 13.7500, 26.1500

Conversions

Conversions Part 2

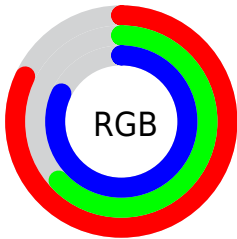
Format	Color
R _{YB}	210, 160, 210
Decimal	13803730
CIE Lab	71.89, 26.88, -18.32
CIE LCh	72, 32.528, 325.732
Yxy	43.4964, 0.3155, 0.2702
Android (android.graphics.Color)	4291993810 (0xFFD2A0D2)
YUV	180.6500, 14.4696, 25.7400
Hunter-Lab	65.9518, 22.0269, -13.7891

Details

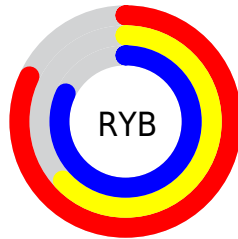
The XYZ color **50.7820, 43.4964, 66.6919** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.8907, 56.1062, 41.7764**, and the grayscale version is **43.6525, 45.9258, 50.0132**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **24.7965, 20.0602, 33.5754** is the 20% darker color. If you saturate the color by 10%, you get **47.4450, 36.8216, 65.5799**, and if you desaturate by 10%, it is **54.7366, 51.4048, 68.0107**.

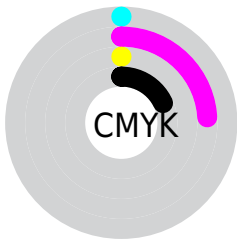
Distribution



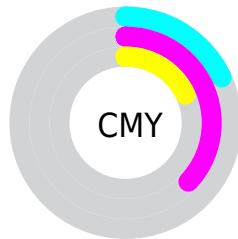
- Red (82%)
- Green (63%)
- Blue (82%)



- Red (82%)
- Yellow (63%)
- Blue (82%)



- Cyan (0%)
- Magenta (24%)
- Yellow (0%)
- Black (18%)





- Cyan (18%)
- Magenta (37%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7820, 43.4964, 66.6919 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 50.7820, 43.4964, 66.6919 by changing the saturation by 10% instead.


 50.7820, 43.4964,
66.6919


 50.7820, 43.4964,
66.6919


380.1178,
360.6492, 467.3189

 36.2555, 30.2748,
48.3743


 90.5174, 80.4594,
116.1153

 24.8026, 20.0473,
33.7613


 116.4569,
104.9696, 148.0581

 16.0580, 12.4294,
22.4344


146.9315,
134.0114, 185.3797

 9.6563, 7.0368,
13.9751

182.3065,
167.9693, 228.4987

 5.2322, 3.4851,
7.9648

222.9473,
207.2277, 277.8336

 2.4203, 1.3900,
3.9850

269.2192,

 0.8552, 0.2093,

252.1708, 333.8029

1.6171

321.4876,
303.1832, 396.8251

■ 0.0000, 0.0000,
0.3030

■ 0.0000, 0.0000,
0.0000

■ 50.7820, 43.4964,
66.6919

■ 50.7820, 43.4964,
66.6919

■ 47.4450, 36.8216,
65.5799

■ 54.7366, 51.4048,
68.0107

■ 44.6906, 31.3129,
64.6617

■ 59.3335, 60.5985,
69.5431

■ 42.4867, 26.9052,
63.9270

■ 64.6008, 71.1332,
71.2990

■ 40.7964, 23.5245,
63.3634

■ 70.5641, 83.0596,
73.2868

39.5780, 21.0878,
62.9572

73.9718, 89.8751,
74.4228

38.7837, 19.4993,
62.6923

73.9718, 89.8751,
74.4229

38.3555, 18.6429,
62.5495

73.9718, 89.8751,
74.4230

38.2115, 18.3550,
62.5015

73.9719, 89.8751,
74.4232

73.9719, 89.8751,
74.4233

Harmonies

Analogous

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



46.1401, 43.4964, 80.4895



50.7820, 43.4964, 66.6919



52.8970, 43.4964, 49.6662

Triad

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



50.7820, 43.4964, 66.6919



42.1396, 43.4964, 22.9921



32.4717, 43.4964, 61.8742

Complementary

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



50.7820, 43.4964, 66.6919



43.8907, 56.1062, 41.7764

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.



31.6057, 43.4964, 45.1267



50.7820, 43.4964, 66.6919



36.8887, 43.4964, 24.8563

Square

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



50.7820, 43.4964, 66.6919



47.6327, 43.4964, 26.3624



33.1510, 43.4964, 32.1796



35.6311, 43.4964, 77.3004

Rectangle

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



50.7820, 43.4964, 66.6919



52.4628, 43.4964, 39.5626



33.1510, 43.4964, 32.1796



31.9155, 43.4964, 56.1204

Sweetspot

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



50.7833, 43.4983, 66.6928



89.6176, 89.1353, 107.0891



38.7028, 37.2706, 66.1277



19.0868, 18.8885, 22.8898



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.



50.7833, 43.4983, 66.6928



75.8239, 61.5480, 102.4909



47.9076, 42.3480, 51.5496



12.3109, 12.0091, 14.9128



23.3081, 11.1961, 38.1244



1.3032, 0.6260, 2.1317

Inverse Universe

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



50.7833, 43.4983, 66.6928



75.8239, 61.5480, 102.4909



46.3024, 57.0708, 54.4760



12.3109, 12.0091, 14.9128



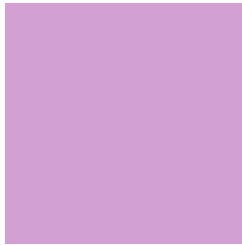
23.3081, 11.1961, 38.1244



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 50.7820, 43.4964, 66.6919 looks on a white background.

Color Contrast Check

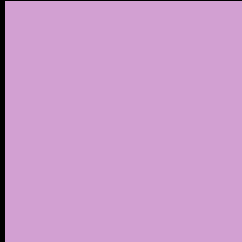
Large Text (above 18pt) WCAG AA × Fail

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 50.7820, 43.4964, 66.6919 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 50.7820, 43.4964, 66.6919

Background



This preview shows how black text looks on a background with the XYZ color 50.7820, 43.4964, 66.6919.



This preview shows how white text looks on a background with the XYZ color 50.7820, 43.4964,

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

50.7820, 43.4964, 66.6919

Protanopia

43.9741, 43.9342, 73.8726

Deuteranopia

44.4978, 43.5241, 65.7302



Tritanopia

47.2265, 43.6489, 48.5838

Trichromacy



Original Color

50.7820, 43.4964, 66.6919

Protanomaly

46.0608, 43.6524, 70.9638

Deuteranomaly

46.7465, 43.5559, 66.2649

Tritanomaly

48.3018, 43.5340, 54.5723

Monochromacy



Original Color

50.7820, 43.4964, 66.6919

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.1962, 44.8994, 56.1008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7820, 43.4964, 66.6919 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(210, 160, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 160, 210)  
}
```

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(210, 160, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 160, 210) }
```

Border

The CSS property to change the border of an element to XYZ 50.7820, 43.4964, 66.6919 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(210, 160, 210) }
```


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

```
.border{ border-color:rgb(210, 160, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 160, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 160, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 160, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 160,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7820, 43.4964, 66.6919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 160, 210) }
```

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

```
.background{ background-color: rgb(210,  
160, 210) }
```

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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