

Converting Colors

XYZ(48.0143, 42.1832, 65.5823)

Have a look what the booklet for
XYZ(48.0143, 42.1832, 65.5823)
contains.

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Color

**XYZ(47.7754, 41.9750,
65.2585)**

Conversions

Conversions Part 1

Format	Color
Hex	C8A0D0
RGB	200, 160, 208
RGB Percent	78%, 63%, 82%
CMY	0.2157, 0.3725, 0.1843
CMYK	0.04, 0.23, 0.00, 0.18
HSL	290°, 34%, 72%
HSV	290°, 23%, 82%
XYZ	47.7754, 41.9750, 65.2585
YIQ	177.4320, 8.4320, 23.4080

Conversions

Conversions Part 2

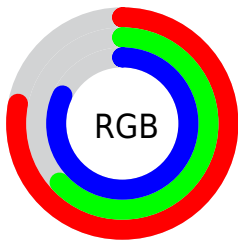
Format	Color
R_{YB}	200, 160, 208
Decimal	13148368
CIE _{Lab}	70.85, 23.18, -18.88
CIE _{LCh}	71, 29.895, 320.842
Yxy	41.9750, 0.3082, 0.2708
Android (android.graphics.Color)	4291338448 (0xFFC8A0D0)
YUV	177.4320, 15.0700, 19.7921
Hunter-Lab	64.7881, 18.2485, -14.3688

Details

The XYZ color **47.7754, 41.9750, 65.2585** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.0509, 55.9757, 41.6896**, and the grayscale version is **41.9382, 44.1223, 48.0492**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **23.0494, 19.1692, 33.0570** is the 20% darker color. If you saturate the color by 10%, you get **43.5519, 34.8862, 64.1135**, and if you desaturate by 10%, it is **52.6258, 50.2847, 66.6074**.

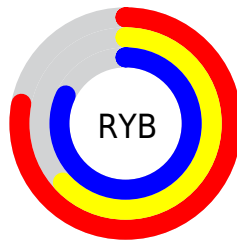
Distribution



Red (78%)

Green (63%)

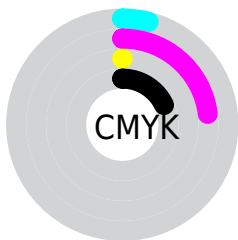
Blue (82%)



Red (78%)

Yellow (63%)

Blue (82%)

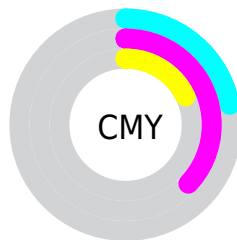


Cyan (4%)

Magenta (23%)

Yellow (0%)

Black (18%)



Cyan (22%)


Magenta (37%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7754, 41.9750, 65.2585 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 47.7754, 41.9750, 65.2585 by changing the saturation by 10% instead.


 47.7754, 41.9750,
65.2585


 47.7754, 41.9750,
65.2585


368.4986,
354.3793, 462.0519

 33.8596, 29.0817,
47.2180


 86.0816, 78.1618,
114.0383

 22.9481, 19.1426,
32.8525


 111.2027,
102.2241, 145.6146

 14.6757, 11.7734,
21.7433


140.7896,
130.7782, 182.5401

 8.6769, 6.5896,
13.4719

175.2077,
164.2084, 225.2331

 4.5865, 3.2068,
7.6197

214.8223,
202.8993, 274.1122

 2.0390, 1.2406,
3.7683

259.9987,

 0.6557, 0.0945,

247.2351, 329.5961

1.4991

311.1024,
297.6003, 392.1031

■ 0.0000, 0.0000,
0.2173

■ 0.0000, 0.0000,
0.0000

■ 47.7754, 41.9750,
65.2585

■ 47.7754, 41.9750,
65.2585

■ 43.5519, 34.8862,
64.1135

■ 52.6258, 50.2847,
66.6074

■ 39.9212, 28.9528,
63.1596

■ 58.1271, 59.8658,
68.1668

■ 36.8518, 24.1115,
62.3869

■ 64.3070, 70.7725,
69.9463

■ 34.3080, 20.2905,
61.7834

■ 71.1903, 83.0542,
71.9541

■ 32.2493, 17.4095,
61.3358

■ 75.8602, 90.8772,
73.2180

■ 30.6294, 15.3760,
61.0287

■ 76.9037, 91.4151,
73.2668

■ 29.3924, 14.0784,
60.8434

■ 77.9690, 91.9643,
73.3167

■ 28.6929, 13.4765,
60.7641

■ 79.0562, 92.5248,
73.3675

■ 80.1654, 93.0966,
73.4195

Harmonies

Analogous

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



43.3941, 41.9750, 76.3543



47.7754, 41.9750, 65.2585



50.0952, 41.9750, 50.1999

Triad

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



47.7754, 41.9750, 65.2585



41.4365, 41.9750, 23.6564



31.6138, 41.9750, 56.1507

Complementary

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



47.7754, 41.9750, 65.2585



45.0509, 55.9757, 41.6896

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.



31.1845, 41.9750, 41.4842



47.7754, 41.9750, 65.2585



36.5911, 41.9750, 24.5984

Square

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



47.7754, 41.9750, 65.2585



46.2406, 41.9750, 27.5950



32.9343, 41.9750, 30.5066



34.1600, 41.9750, 70.3835

Rectangle

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



47.7754, 41.9750, 65.2585



50.0384, 41.9750, 40.7457



32.9343, 41.9750, 30.5066



31.2260, 41.9750, 51.0483

Sweetspot

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



47.7767, 41.9768, 65.2594



88.5316, 88.5754, 107.0384



39.8867, 40.0348, 65.3004



18.8345, 18.7584, 22.8780



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.



47.7767, 41.9768, 65.2594



72.1042, 60.4075, 102.4673



48.0989, 42.3590, 55.5114



12.1093, 11.9052, 14.9034



17.9533, 8.4356, 37.8745



1.0564, 0.4988, 2.1202

Inverse Universe

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



45.6525, 41.3804, 42.6287



68.2045, 59.3378, 59.7852



44.8910, 55.7210, 49.4652



11.8880, 11.8399, 12.6859



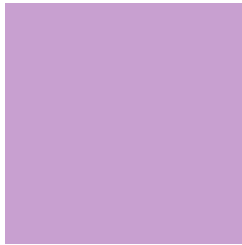
16.4226, 8.4419, 1.8656



0.9437, 0.4822, 0.2386

Previews

White Background



This preview shows how the XYZ color 47.7754, 41.9750, 65.2585 looks on a white background.

Color Contrast Check

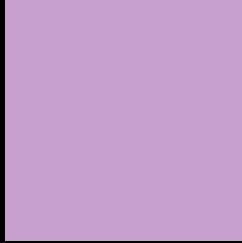
Large Text (above 18pt) WCAG AA × Fail

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 47.7754, 41.9750, 65.2585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

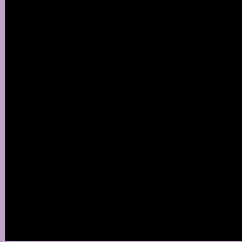
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7754, 41.9750, 65.2585

Background



This preview shows how black text looks on a background with the XYZ color 47.7754, 41.9750, 65.2585.



This preview shows how white text looks on a background with the XYZ color 47.7754, 41.9750,

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

47.7754, 41.9750, 65.2585

Protanopia

42.2515, 42.2494, 70.8938

Deuteranopia

43.1945, 42.3196, 64.2844



Tritanopia

44.2560, 41.8604, 47.8668

Trichromacy



Original Color

47.7754, 41.9750, 65.2585

Protanomaly

43.9174, 42.0395, 68.7505

Deuteranomaly

44.6659, 41.9678, 64.7779

Tritanomaly

45.3085, 41.7388, 53.8125

Monochromacy



Original Color

47.7754, 41.9750, 65.2585

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.6476, 43.0709, 53.5900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7754, 41.9750, 65.2585 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(200, 160, 208)` looks like.

```
.text, #text, p{  
    color:rgb(200, 160, 208)  
}
```

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(200, 160, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 160, 208) }
```

Border

The CSS property to change the border of an element to XYZ 47.7754, 41.9750, 65.2585 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(200, 160, 208) }
```


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

```
.border{ border-color:rgb(200, 160, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 160, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 160, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 160, 208);  
box-shadow:4px 4px 4px 4px rgb(200, 160,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7754, 41.9750, 65.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 160, 208) }
```

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

```
.background{ background-color: rgb(200,  
160, 208) }
```

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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