

Converting Colors

XYZ(45.7936, 40.8447, 58.4439)

Have a look what the booklet for
XYZ(45.7936, 40.8447, 58.4439)
contains.

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Color

**XYZ(45.7649, 40.8333,
58.2929)**

Conversions

Conversions Part 1

Format	Color
Hex	C69FC5
RGB	198, 159, 197
RGB Percent	78%, 62%, 77%
CMY	0.2235, 0.3765, 0.2274
CMYK	0.00, 0.20, 0.01, 0.22
HSL	302°, 25%, 70%
HSV	302°, 20%, 78%
XYZ	45.7649, 40.8333, 58.2929
YIQ	174.9930, 11.0460, 20.0860

Conversions

Conversions Part 2

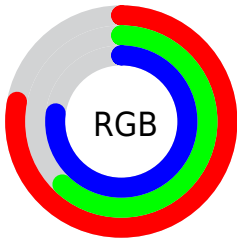
Format	Color
R_{YB}	198, 159, 197
Decimal	13017029
CIE _{Lab}	70.06, 20.95, -14.02
CIE _{LCh}	70, 25.209, 326.207
Yxy	40.8333, 0.3159, 0.2818
Android (android.graphics.Color)	4291207109 (0xFFC69FC5)
YUV	174.9930, 10.8495, 20.1771
Hunter-Lab	63.9009, 16.0124, -9.3560

Details

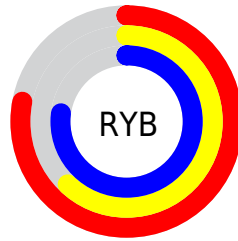
The XYZ color **45.7649, 40.8333, 58.2929** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.8390, 50.2984, 40.8160**, and the grayscale version is **40.6867, 42.8055, 46.6152**.

A 20% lighter version of the original color is **83.1760, 76.5089, 104.1498**, and **21.7172, 18.4279, 28.3989** is the 20% darker color. If you saturate the color by 10%, you get **42.5713, 34.5385, 56.9422**, and if you desaturate by 10%, it is **49.5065, 48.2225, 59.8282**.

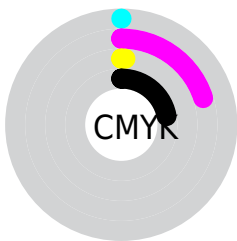
Distribution



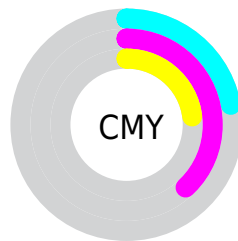
- Red (78%)
- Green (62%)
- Blue (77%)



- Red (78%)
- Yellow (62%)
- Blue (77%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (22%)




- Cyan (22%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7649, 40.8333, 58.2929 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 45.7649, 40.8333, 58.2929 by changing the saturation by 10% instead.


 45.7649, 40.8333,
58.2929


 45.7649, 40.8333,
58.2929

360.5945,
349.6234, 435.9052

 32.2642, 28.1889,
41.6279


 83.0971, 76.4308,
103.8683

 21.7199, 18.4681,
28.4867

 107.6592,
100.1526, 133.6157

 13.7667, 11.2866,
18.4506


136.6392,
128.3356, 168.5610

 8.0392, 6.2599,
11.1012

170.4024,
161.3643, 209.1228

 4.1720, 3.0038,
6.0199

209.3142,
199.6231, 255.7196

 1.7999, 1.1337,
2.7882

253.7399,

 0.5176, 0.0065,

243.4962, 308.7699

0.9875

304.0449,
293.3682, 368.6922

■ 0.0000, 0.0000,
0.0000

■ 45.7649, 40.8333,
58.2929

■ 45.7649, 40.8333,
58.2929

■ 42.5713, 34.5385,
56.9422

■ 49.5065, 48.2225,
59.8282

■ 39.8962, 29.2809,
55.7648

■ 53.8166, 56.7492,
61.5534

■ 37.7128, 25.0063,
54.7523

■ 58.7193, 66.4605,
63.4772

■ 35.9903, 21.6534,
53.8944

■ 64.2359, 77.3996,
65.6066

■ 34.6947, 19.1539,
53.1798

■ 69.4207, 87.6746,
67.6263

■ 33.7872, 17.4303,
52.5955

■ 69.4800, 87.6983,
67.9385

■ 33.2219, 16.3908,
52.1262

■ 69.5395, 87.7221,
68.2518

■ 32.9143, 15.8665,
51.7438

■ 69.5991, 87.7460,
68.5661

■ 32.9061, 15.8527,
51.7325

■ 69.6590, 87.7699,
68.8814

Harmonies

Analogous

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



42.4110, 40.8333, 68.0486



45.7649, 40.8333, 58.2929



47.2535, 40.8333, 45.9765

Triad

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



45.7649, 40.8333, 58.2929



39.3366, 40.8333, 25.4658



32.1357, 40.8333, 55.2375

Complementary

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



45.7649, 40.8333, 58.2929



40.8390, 50.2984, 40.8160

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.



31.4389, 40.8333, 42.9782



45.7649, 40.8333, 58.2929



35.4204, 40.8333, 27.0708

Square

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



45.7649, 40.8333, 58.2929



43.3802, 40.8333, 28.1620



32.5995, 40.8333, 33.0101



34.5742, 40.8333, 66.0770

Rectangle

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



45.7649, 40.8333, 58.2929



46.9155, 40.8333, 38.4309



32.5995, 40.8333, 33.0101



31.6978, 40.8333, 51.0900

Sweetspot

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



45.7661, 40.8351, 58.2938



90.2987, 90.5984, 107.0049



37.0204, 36.3132, 58.4848



19.2219, 19.1826, 22.8609



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.



45.7661, 40.8351, 58.2938



78.2856, 66.8739, 102.0702



43.7091, 40.0123, 47.4616



11.0709, 10.8117, 13.3567



21.4045, 10.3114, 33.6695



1.0173, 0.4898, 1.6143

Inverse Universe

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



45.7661, 40.8351, 58.2938



78.2856, 66.8739, 102.0702



42.6455, 51.0210, 50.3293



11.0709, 10.8117, 13.3567



21.4045, 10.3114, 33.6695



1.0173, 0.4898, 1.6143

Previews

White Background



This preview shows how the XYZ color 45.7649, 40.8333, 58.2929 looks on a white background.

Color Contrast Check

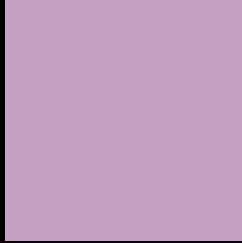
Large Text (above 18pt) WCAG AA × Fail

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 45.7649, 40.8333, 58.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

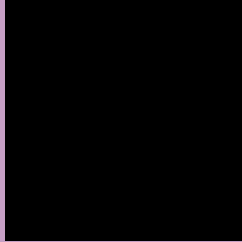
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7649, 40.8333, 58.2929

Background



This preview shows how black text looks on a background with the XYZ color 45.7649, 40.8333, 58.2929.



This preview shows how white text looks on a background with the XYZ color 45.7649, 40.8333,

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

45.7649, 40.8333, 58.2929

Protanopia

40.5837, 41.0016, 62.9019

Deuteranopia

41.8005, 40.9247, 57.3259



Tritanopia

43.3407, 40.8916, 46.1660

Trichromacy



Original Color

45.7649, 40.8333, 58.2929

Protanomaly

42.0833, 40.7196, 60.9000

Deuteranomaly

43.2468, 40.8507, 57.8302

Tritanomaly

44.2325, 40.9953, 50.3813

Monochromacy



Original Color

45.7649, 40.8333, 58.2929

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.2636, 41.8621, 50.6524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7649, 40.8333, 58.2929 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(198, 159, 197)` looks like.

```
.text, #text, p{  
    color:rgb(198, 159, 197)  
}
```

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(198, 159, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 159, 197) }
```

Border

The CSS property to change the border of an element to XYZ 45.7649, 40.8333, 58.2929 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(198, 159, 197) }
```


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

```
.border{ border-color:rgb(198, 159, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 159, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 159, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 159, 197);  
box-shadow:4px 4px 4px 4px rgb(198, 159,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7649, 40.8333, 58.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 159, 197) }
```

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

```
.background{ background-color: rgb(198,  
159, 197) }
```

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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