

Converting Colors

XYZ(45.5533, 41.7210, 60.4213)

Have a look what the booklet for
XYZ(45.5533, 41.7210, 60.4213)
contains.

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Color

**XYZ(45.5148, 41.7020,
60.2940)**

Conversions

Conversions Part 1

Format	Color
Hex	C1A3C8
RGB	193, 163, 200
RGB Percent	76%, 64%, 78%
CMY	0.2431, 0.3608, 0.2157
CMYK	0.03, 0.18, 0.00, 0.22
HSL	289°, 25%, 71%
HSV	289°, 18%, 78%
XYZ	45.5148, 41.7020, 60.2940
YIQ	176.1880, 6.0030, 17.8670

Conversions

Conversions Part 2

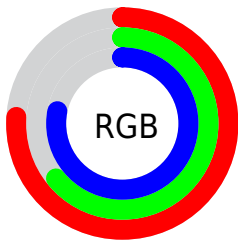
Format	Color
R_{YB}	193, 163, 200
Decimal	12690376
CIE _{Lab}	70.66, 17.62, -14.81
CIE _{LCh}	71, 23.021, 319.949
Yxy	41.7020, 0.3086, 0.2827
Android (android.graphics.Color)	4290880456 (0xFFC1A3C8)
YUV	176.1880, 11.7393, 14.7441
Hunter-Lab	64.5771, 12.7993, -10.1536

Details

The XYZ color **45.5148, 41.7020, 60.2940** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.8443, 52.5001, 42.4752**, and the grayscale version is **41.3044, 43.4555, 47.3230**.

A 20% lighter version of the original color is **82.5457, 77.6868, 105.2522**, and **21.5202, 18.9332, 29.7144** is the 20% darker color. If you saturate the color by 10%, you get **41.2887, 34.6630, 59.1587**, and if you desaturate by 10%, it is **50.3297, 49.8804, 61.6195**.

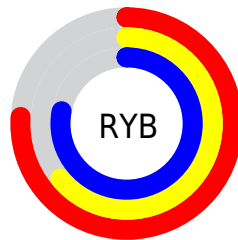
Distribution



Red (76%)

Green (64%)

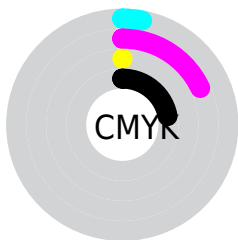
Blue (78%)



Red (76%)

Yellow (64%)

Blue (78%)

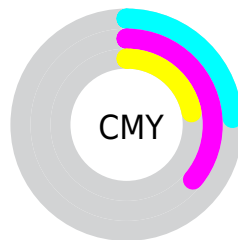


Cyan (3%)

Magenta (18%)

Yellow (0%)

Black (22%)



Cyan (24%)


Magenta (36%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5148, 41.7020, 60.2940 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 45.5148, 41.7020, 60.2940 by changing the saturation by 10% instead.


 45.5148, 41.7020,
60.2940


 45.5148, 41.7020,
60.2940

359.6033,
353.2461, 443.5153

 32.0661, 28.8680,
43.2288


 82.7247, 77.7484,
106.8036

 21.5678, 18.9810,
29.7319


 107.2166,
101.7296, 137.0850

 13.6545, 11.6566,
19.3849


136.1203,
130.1954, 172.6090

 7.9608, 6.5103,
11.7691

169.8012,
163.5301, 213.7940

 4.1215, 3.1578,
6.4660

208.6246,
202.1181, 261.0586

 1.7711, 1.2146,
3.0571

252.9558,

 0.5002, 0.0736,

246.3439, 314.8213

1.1239

303.1602,
296.5917, 375.5007

■ 0.0000, 0.0000,
0.0000

■ 45.5148, 41.7020,
60.2940

■ 45.5148, 41.7020,
60.2940

■ 41.2887, 34.6630,
59.1587

■ 50.3297, 49.8804,
61.6195

■ 37.6211, 28.7054,
58.2021

■ 55.7543, 59.2422,
63.1405

■ 34.4847, 23.7739,
57.4155

■ 61.8133, 69.8355,
64.8659

■ 31.8481, 19.8063,
56.7886

■ 68.5287, 81.7042,
66.8029

■ 29.6767, 16.7336,
56.3100

■ 73.3143, 89.6756,
68.0893

■ 27.9312, 14.4774,
55.9665

■ 74.4175, 90.2443,
68.1409

■ 26.5655, 12.9456,
55.7428

■ 75.5465, 90.8263,
68.1937

■ 25.5067, 11.9933,
55.6148

■ 76.7014, 91.4217,
68.2478

■ 25.3583, 11.8683,
55.5985

■ 77.8823, 92.0305,
68.3031

Harmonies

Analogous

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



42.1897, 41.7020, 68.1293



45.5148, 41.7020, 60.2940



47.2989, 41.7020, 49.1684

Triad

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



45.5148, 41.7020, 60.2940



40.9292, 41.7020, 27.7177



33.1394, 41.7020, 52.9500

Complementary

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



45.5148, 41.7020, 60.2940



43.8443, 52.5001, 42.4752

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.



32.8498, 41.7020, 41.8413



45.5148, 41.7020, 60.2940



37.1884, 41.7020, 28.3977

Square

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



45.5148, 41.7020, 60.2940



44.5414, 41.7020, 31.1614



34.2875, 41.7020, 33.1964



35.1056, 41.7020, 63.4408

Rectangle

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



45.5148, 41.7020, 60.2940



47.3014, 41.7020, 41.8759



34.2875, 41.7020, 33.1964



32.8478, 41.7020, 49.1299

Sweetspot

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



45.5161, 41.7038, 60.2949



89.3048, 90.0788, 107.2878



39.9812, 40.8583, 60.4234



18.9862, 19.0594, 22.9281



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.



45.5161, 41.7038, 60.2949



75.8926, 67.3230, 103.6024



46.0924, 42.1454, 53.7940



10.8788, 10.7113, 13.4116



16.1949, 7.5830, 35.3545



0.8190, 0.3860, 1.6765

Inverse Universe

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



44.1738, 41.3780, 43.6909



73.2128, 66.6898, 69.6697



43.4098, 52.1561, 47.8765



10.7145, 10.6692, 11.4798



15.3910, 7.9059, 2.0027



0.7541, 0.3845, 0.2284

Previews

White Background



This preview shows how the XYZ color 45.5148, 41.7020, 60.2940 looks on a white background.

Color Contrast Check

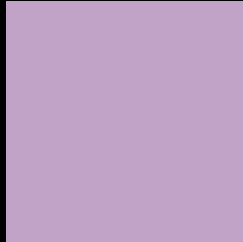
Large Text (above 18pt) WCAG AA × Fail

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 45.5148, 41.7020, 60.2940 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 45.5148, 41.7020, 60.2940

Background



This preview shows how black text looks on a background with the XYZ color 45.5148, 41.7020, 60.2940.



This preview shows how white text looks on a background with the XYZ color 45.5148, 41.7020,

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

45.5148, 41.7020, 60.2940

Protanopia

41.6190, 42.0683, 64.3190

Deuteranopia

42.8569, 41.9644, 59.8740



Tritanopia

43.2921, 41.8799, 48.9819

Trichromacy



Original Color

45.5148, 41.7020, 60.2940

Protanomaly

42.9915, 41.9657, 62.9610

Deuteranomaly

43.6560, 41.8282, 59.8056

Tritanomaly

44.0917, 41.9367, 52.7844

Monochromacy



Original Color

45.5148, 41.7020, 60.2940

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.6113, 42.5737, 51.8706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5148, 41.7020, 60.2940 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(193, 163, 200)` looks like.

```
.text, #text, p{  
    color:rgb(193, 163, 200)  
}
```

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(193, 163, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 163, 200) }
```

Border

The CSS property to change the border of an element to XYZ 45.5148, 41.7020, 60.2940 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(193, 163, 200) }
```


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

```
.border{ border-color:rgb(193, 163, 200) }
```

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

Here you see how a box with a 4 pixel rgb(193, 163, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 163, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 163, 200);  
box-shadow:4px 4px 4px 4px rgb(193, 163,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5148, 41.7020, 60.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 163, 200) }
```

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

```
.background{ background-color: rgb(193,  
163, 200) }
```

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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