

# Converting Colors

XYZ(52.1601, 35.8654, 50.2427)

Have a look what the booklet for  
XYZ(52.1601, 35.8654, 50.2427)  
contains.

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# Color

**XYZ(52.0914, 35.8130,  
50.0660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F278B9
RGB	242, 120, 185
RGB Percent	95%, 47%, 73%
CMY	0.0510, 0.5294, 0.2745
CMYK	0.00, 0.50, 0.24, 0.05
HSL	328°, 82%, 71%
HSV	328°, 50%, 95%
XYZ	52.0914, 35.8130, 50.0660
YIQ	163.8880, 51.8470, 46.0790

# Conversions

## Conversions Part 2

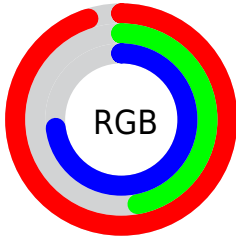
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 120, 185
Decimal	15890617
CIE <sub>Lab</sub>	66.38, 54.11, -12.34
CIE <sub>LCh</sub>	66, 55.495, 347.153
Yxy	35.8130, 0.3776, 0.2596
Android (android.graphics.Color)	4294080697 (0xFFFF278B9)
YUV	163.8880, 10.4082, 68.5042
Hunter-Lab	59.8440, 50.6490, -7.7118

# Details

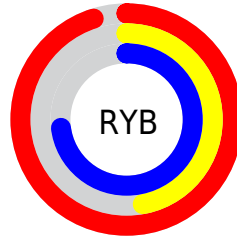
The XYZ color **52.0914, 35.8130, 50.0660** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.4355, 70.6727, 52.7396**, and the grayscale version is **35.1694, 37.0009, 40.2940**.

A 20% lighter version of the original color is **72.6425, 58.6615, 90.7132**, and **25.5836, 15.5138, 23.4759** is the 20% darker color. If you saturate the color by 10%, you get **48.3935, 30.2519, 43.1765**, and if you desaturate by 10%, it is **56.6217, 42.8862, 57.7020**.

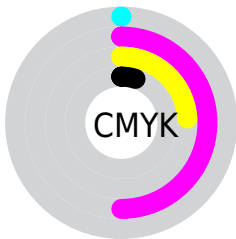
# Distribution



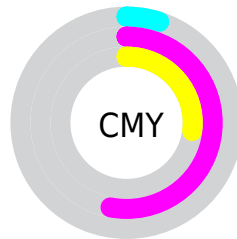
- Red (95%)
- Green (47%)
- Blue (73%)



- Red (95%)
- Yellow (47%)
- Blue (73%)



- Cyan (0%)
- Magenta (50%)
- Yellow (24%)
- Black (5%)



- Cyan (5%)
- Magenta (53%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0914, 35.8130, 50.0660 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 52.0914, 35.8130, 50.0660 by changing the saturation by 10% instead.





 52.0914, 35.8130,  
50.0660

 52.0914, 35.8130,  
50.0660

385.1075,  
328.1425, 403.6664

 37.3025, 24.2898,  
35.0943


 92.4394, 68.7433,  
91.6700

 25.6165, 15.5487,  
23.4514


 118.7293, 90.9193,  
119.1393

 16.6682, 9.2054,  
14.7187


 149.5835,  
117.4149, 151.6116

 10.0920, 4.8754,  
8.4778

185.3675,  
148.6146, 189.5054

 5.5227, 2.1743,  
4.3100

226.4465,  
184.9029, 233.2393

 2.5950, 0.7060,  
1.7969

273.1859,

 0.9434, 0.0000,

226.6640, 283.2317

0.4259

325.9512,  
274.2824, 339.9012

■ 0.0000, 0.0000,  
0.0000

■ 52.0914, 35.8130,  
50.0660

■ 52.0914, 35.8130,  
50.0660

■ 48.3935, 30.2519,  
43.1765

■ 56.6217, 42.8862,  
57.7020

■ 45.4662, 26.0838,  
37.0011

■ 62.0339, 51.5683,  
66.1106

■ 43.2433, 23.1800,  
31.5069

■ 68.3773, 61.9541,  
75.3186

■ 41.6455, 21.3851,  
26.6557

■ 75.6964, 74.1297,  
85.3507

■ 40.5759, 20.4604,  
22.5549

■ 84.0330, 88.1752,  
96.2303

90.0828, 97.4792,  
106.8654

90.4281, 97.6173,  
108.6837

# Harmonies

## Analogous

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



47.1328, 35.8130, 79.0691



52.0914, 35.8130, 50.0660



51.6803, 35.8130, 27.0074

# Triad

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



52.0914, 35.8130, 50.0660



29.5458, 35.8130, 9.5956



24.2983, 35.8130, 83.0239

# Complementary

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



52.0914, 35.8130, 50.0660



47.4355, 70.6727, 52.7396

# 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.



20.9530, 35.8130, 54.0881



52.0914, 35.8130, 50.0660



23.6273, 35.8130, 15.4383

# Square

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



52.0914, 35.8130, 50.0660



37.7126, 35.8130, 9.2508



20.7292, 35.8130, 29.6885



30.6124, 35.8130, 102.6914



# Rectangle

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



52.0914, 35.8130, 50.0660



48.4102, 35.8130, 17.3906



20.7292, 35.8130, 29.6885



22.8373, 35.8130, 73.6267

# Sweetspot

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



52.0925, 35.8148, 50.0667



81.2933, 76.8788, 90.7735



40.8616, 29.1852, 87.4845



17.0307, 15.8413, 18.9210



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.



52.0925, 35.8148, 50.0667



54.5921, 34.2030, 48.8047



46.9782, 33.7690, 23.1352



16.1248, 15.8996, 18.2134



21.8674, 11.0194, 12.4840



1.8694, 0.9368, 1.3031



# Inverse Universe

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



52.0925, 35.8148, 50.0667



54.5921, 34.2030, 48.8047



54.9219, 73.6673, 92.1627



16.1248, 15.8996, 18.2134



21.8674, 11.0194, 12.4840

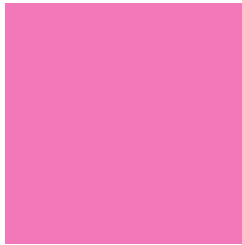


1.8694, 0.9368, 1.3031



# Previews

## White Background



This preview shows how the XYZ color 52.0914, 35.8130, 50.0660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

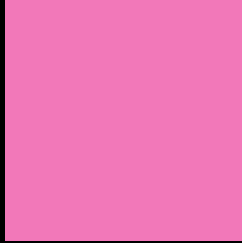
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.0914, 35.8130, 50.0660 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 52.0914, 35.8130, 50.0660**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0914, 35.8130, 50.0660.



This preview shows how white text looks on a background with the XYZ color 52.0914, 35.8130,



# 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

52.0914, 35.8130, 50.0660

### Protanopia

36.6672, 36.1910, 67.3403

### Deuteranopia

36.7712, 35.9147, 47.6420



## Tritanopia

47.7704, 35.7417, 28.8072

# Trichromacy



## Original Color

52.0914, 35.8130, 50.0660



## Protanomaly

40.0775, 34.4601, 60.4163



## Deuteranomaly

41.0787, 35.0185, 48.3102



## Tritanomaly

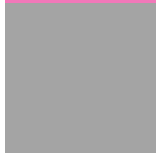
49.0582, 35.6727, 35.7524

# Monochromacy



## Original Color

52.0914, 35.8130, 50.0660



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

39.7745, 35.3648, 43.7595

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0914, 35.8130, 50.0660 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(242, 120, 185)` looks like.

```
.text, #text, p{  
    color:rgb(242, 120, 185)  
}
```

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(242, 120, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 120, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0914, 35.8130, 50.0660 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(242, 120, 185) }
```



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

```
.border{ border-color:rgb(242, 120, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 120, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 120, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 120, 185);  
box-shadow:4px 4px 4px 4px rgb(242, 120,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0914, 35.8130, 50.0660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 120, 185) }
```

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

```
.background{ background-color: rgb(242,  
120, 185) }
```

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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