

Converting Colors

XYZ(38.3087, 28.1927, 40.9588)

Have a look what the booklet for
XYZ(38.3087, 28.1927, 40.9588)
contains.

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Color

**XYZ(38.3087, 28.1927,
40.9588)**

Conversions

Conversions Part 1

Format	Color
Hex	CC74A9
RGB	204, 116, 169
RGB Percent	80%, 45%, 66%
CMY	0.2000, 0.5451, 0.3373
CMYK	0.00, 0.43, 0.17, 0.20
HSL	324°, 46%, 63%
HSV	324°, 43%, 80%
XYZ	38.3087, 28.1927, 40.9588
YIQ	148.3540, 35.4350, 35.1390

Conversions

Conversions Part 2

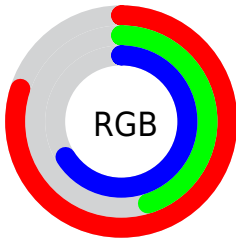
Format	Color
R_{YB}	204, 116, 169
Decimal	13399209
CIE _{Lab}	60.06, 41.48, -13.23
CIE _{LCh}	60, 43.541, 342.307
Yxy	28.1927, 0.3565, 0.2624
Android (android.graphics.Color)	4291589289 (0xFFCC74A9)
YUV	148.3540, 10.1785, 48.8015
Hunter-Lab	53.0968, 35.8662, -8.5685

Details

The XYZ color **38.3087, 28.1927, 40.9588** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **34.3825, 49.1340, 36.9520**, and the grayscale version is **28.2453, 29.7163, 32.3610**.

A 20% lighter version of the original color is **69.0693, 55.3913, 77.5722**, and **17.2570, 11.2470, 18.0910** is the 20% darker color. If you saturate the color by 10%, you get **35.4720, 23.7005, 36.3709**, and if you desaturate by 10%, it is **41.7107, 33.7390, 45.9689**.

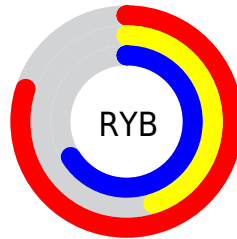
Distribution



Red (80%)

Green (45%)

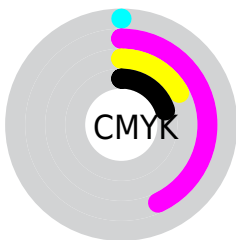
Blue (66%)



Red (80%)

Yellow (45%)

Blue (66%)

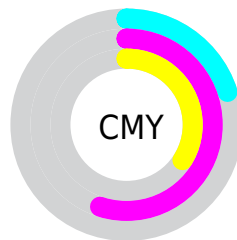


Cyan (0%)

Magenta (43%)

Yellow (17%)

Black (20%)



Cyan (20%)


Magenta (55%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3087, 28.1927, 40.9588 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 38.3087, 28.1927, 40.9588 by changing the saturation by 10% instead.


 38.3087, 28.1927,
40.9588


 38.3087, 28.1927,
40.9588


330.2004,
293.3866, 365.8199


 26.4007, 18.4710,
27.9674


 71.8819, 56.7919,
77.8743

 17.2579, 11.2886,
18.0623


 94.2778, 76.4383,
102.6356

 10.5150, 6.2613,
10.8248


 120.9003,
100.1616, 132.1572

 5.8066, 3.0046,
5.8365

152.1149,
128.3462, 166.8578

 2.7674, 1.1342,
2.6787

188.2868,
161.3767, 207.1558

 1.0320, 0.0069,
0.9327

229.7815,

 0.0000, 0.0000,

199.6373, 253.4698

0.0000

276.9642,
243.5124, 306.2183

■ 38.3087, 28.1927,
40.9588

■ 38.3087, 28.1927,
40.9588

■ 35.4720, 23.7005,
36.3709

■ 41.7107, 33.7390,
45.9689

■ 33.1631, 20.1899,
32.1878

■ 45.7073, 40.3980,
51.4143

■ 31.3435, 17.5852,
28.3925


■ 50.3287, 48.2285,
57.3093


■ 29.9685, 15.7979,
24.9658


■ 55.6025, 57.2841,
63.6670

■ 28.9839, 14.7216,
21.8849


■ 61.5544, 67.6149,
70.4997

 28.4685, 14.2640,
19.9458

 68.2085, 79.2685,
77.8193

 74.3620, 89.8375,
85.2282

 75.5009, 90.2930,
91.2256

 76.6932, 90.7699,
97.5042

Harmonies

Analogous

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



34.6440, 28.1927, 59.3162



38.3087, 28.1927, 40.9588



38.6392, 28.1927, 24.6302

Triad

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



38.3087, 28.1927, 40.9588



24.5845, 28.1927, 9.4665



19.6508, 28.1927, 56.2197

Complementary

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



38.3087, 28.1927, 40.9588



34.3825, 49.1340, 36.9520

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.



17.6604, 28.1927, 37.6864



38.3087, 28.1927, 40.9588



20.2334, 28.1927, 13.1826

Square

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



38.3087, 28.1927, 40.9588



30.1737, 28.1927, 9.8100



17.8578, 28.1927, 22.3107



23.6808, 28.1927, 70.0121

Rectangle

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



38.3087, 28.1927, 40.9588



36.8706, 28.1927, 17.0839



17.8578, 28.1927, 22.3107



18.7478, 28.1927, 50.1097

Sweetspot

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



38.3095, 28.1940, 40.9594



83.3206, 79.8226, 94.8744



29.6744, 23.3107, 60.0627



17.4482, 16.4280, 19.8258



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.



38.3095, 28.1940, 40.9594



58.9401, 39.5540, 60.5661



34.9315, 26.8428, 23.1706



11.4912, 11.3252, 13.1215



17.9652, 8.9967, 12.8015



0.9636, 0.4788, 0.8542

Inverse Universe

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



38.3095, 28.1940, 40.9594



58.9401, 39.5540, 60.5661



38.5040, 50.7826, 58.6555



11.4912, 11.3252, 13.1215



17.9652, 8.9967, 12.8015



0.9636, 0.4788, 0.8542

Previews

White Background



This preview shows how the XYZ color 38.3087, 28.1927, 40.9588 looks on a white background.

Color Contrast Check

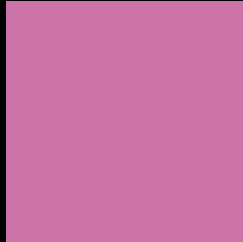
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3087, 28.1927, 40.9588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

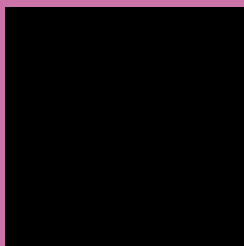
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.3087, 28.1927, 40.9588

Background



This preview shows how black text looks on a background with the XYZ color 38.3087, 28.1927, 40.9588.



This preview shows how white text looks on a background with the XYZ color 38.3087, 28.1927,

40.9588.

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

38.3087, 28.1927, 40.9588

Protanopia

28.8819, 28.6457, 51.5839

Deuteranopia

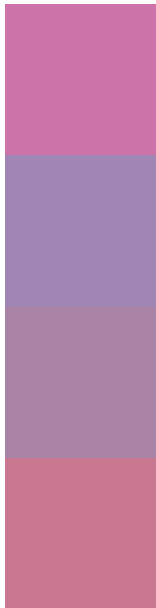
28.8941, 28.2504, 39.5273



Tritanopia

35.0672, 28.1112, 25.4076

Trichromacy



Original Color

38.3087, 28.1927, 40.9588

Protanomaly

31.1637, 27.7573, 47.4313

Deuteranomaly

31.7118, 27.8017, 39.7713

Tritanomaly

35.9147, 27.8948, 30.2794

Monochromacy



Original Color

38.3087, 28.1927, 40.9588

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.9534, 28.3334, 35.2900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3087, 28.1927, 40.9588 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(204, 116, 169)` looks like.

```
.text, #text, p{  
    color:rgb(204, 116, 169)  
}
```

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(204, 116, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 116, 169) }
```

Border

The CSS property to change the border of an element to XYZ 38.3087, 28.1927, 40.9588 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(204, 116, 169) }
```


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

```
.border{ border-color:rgb(204, 116, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 116, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 116, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 116, 169);  
box-shadow:4px 4px 4px 4px rgb(204, 116,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3087, 28.1927, 40.9588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 116, 169) }
```

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

```
.background{ background-color: rgb(204,  
116, 169) }
```

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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