

Converting Colors

XYZ(38.8796, 25.9056, 56.9839)

Have a look what the booklet for
XYZ(38.8796, 25.9056, 56.9839)
contains.

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Color

**XYZ(38.8796, 25.9056,
56.9839)**

Conversions

Conversions Part 1

Format	Color
Hex	C866C7
RGB	200, 102, 199
RGB Percent	78%, 40%, 78%
CMY	0.2157, 0.6000, 0.2196
CMYK	0.00, 0.49, 0.01, 0.22
HSL	301°, 47%, 59%
HSV	301°, 49%, 78%
XYZ	38.8796, 25.9056, 56.9839
YIQ	142.3600, 27.2710, 50.9430

Conversions

Conversions Part 2

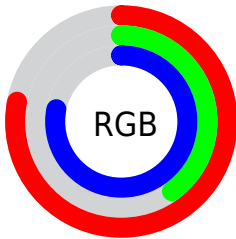
Format	Color
R _Y B	200, 102, 199
Decimal	13133511
CIE Lab	57.95, 52.42, -33.68
CIE LCh	58, 62.310, 327.283
Yxy	25.9056, 0.3193, 0.2127
Android (android.graphics.Color)	4291323591 (0xFFC866C7)
YUV	142.3600, 27.9235, 50.5503
Hunter-Lab	50.8975, 47.2818, -30.7516

Details

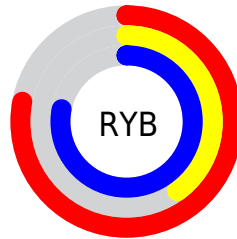
The XYZ color **38.8796, 25.9056, 56.9839** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.5831, 45.1137, 20.0347**, and the grayscale version is **25.7398, 27.0803, 29.4904**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **17.6694, 10.0875, 27.8039** is the 20% darker color. If you saturate the color by 10%, you get **37.1226, 22.4289, 56.2815**, and if you desaturate by 10%, it is **41.1125, 30.3328, 57.8456**.

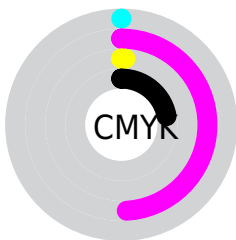
Distribution



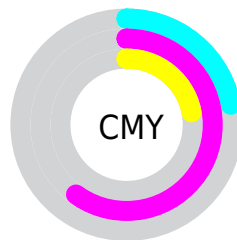
- Red (78%)
- Green (40%)
- Blue (78%)



- Red (78%)
- Yellow (40%)
- Blue (78%)



- Cyan (0%)
- Magenta (49%)
- Yellow (1%)
- Black (22%)





- Cyan (22%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8796, 25.9056, 56.9839 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 38.8796, 25.9056, 56.9839 by changing the saturation by 10% instead.


 38.8796, 25.9056,
56.9839


 38.8796, 25.9056,
56.9839

332.5943,
282.3184, 430.8810


 26.8464, 16.7530,
40.5830


 72.7496, 53.1226,
101.9418


 17.5939, 10.0586,
27.6762


 95.3171, 71.9559,
131.3359

 10.7567, 5.4378,
17.8448


 122.1267, 94.7848,
165.8982

 5.9696, 2.5064,
10.6703


 153.5438,
121.9938, 206.0472

 2.8671, 0.8798,
5.7342

189.9338,
153.9672, 252.2014

 1.0839, 0.0000,
2.6180

231.6620,

 0.0116, 0.0000,

191.0896, 304.7795

0.9017

279.0937,
233.7451, 364.1998

■ 0.0000, 0.0000,
0.0000

■ 38.8796, 25.9056,
56.9839

■ 38.8796, 25.9056,
56.9839

■ 37.1226, 22.4289,
56.2815

■ 41.1125, 30.3328,
57.8456

■ 35.8041, 19.8299,
55.7253

■ 43.8499, 35.7696,
58.8753

■ 34.8858, 18.0309,
55.3025


■ 47.1212, 42.2741,
60.0831


■ 34.3210, 16.9392,
54.9978


■ 50.9528, 49.8992,
61.4779


■ 34.0322, 16.3993,
54.7852


■ 55.3695, 58.6943,
63.0678

 34.0081, 16.3549,
54.7655

 60.3943, 68.7058,
64.8607

 66.0493, 79.9775,
66.8637

 70.0795, 87.9994,
68.3253

 70.1035, 88.0090,
68.4517

Harmonies

Analogous

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



31.8525, 25.9056, 83.2385



38.8796, 25.9056, 56.9839



42.0465, 25.9056, 30.2132

Triad

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



38.8796, 25.9056, 56.9839



25.3135, 25.9056, 3.7820



13.8892, 25.9056, 51.7274

Complementary

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



38.8796, 25.9056, 56.9839



28.5831, 45.1137, 20.0347

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.



12.8317, 25.9056, 26.2912



38.8796, 25.9056, 56.9839



18.5788, 25.9056, 5.1049

Square

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



38.8796, 25.9056, 56.9839



33.2811, 25.9056, 5.7582



14.3619, 25.9056, 11.2387



17.6132, 25.9056, 79.2695

Rectangle

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



38.8796, 25.9056, 56.9839



41.1447, 25.9056, 17.6181



14.3619, 25.9056, 11.2387



13.2478, 25.9056, 42.3633

Sweetspot

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



38.8805, 25.9068, 56.9844



83.9756, 77.9518, 104.8986



20.6573, 16.4989, 56.7403



17.6810, 16.1015, 22.3456



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.



38.8805, 25.9068, 56.9844



64.0494, 38.3931, 97.3509



34.1578, 24.0177, 32.1150



11.0783, 10.8147, 13.3955



21.6254, 10.3997, 34.8328



1.0255, 0.4930, 1.6575

Inverse Universe

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



38.8805, 25.9068, 56.9844



64.0494, 38.3931, 97.3509



31.7208, 46.3687, 36.5577



11.0783, 10.8147, 13.3955



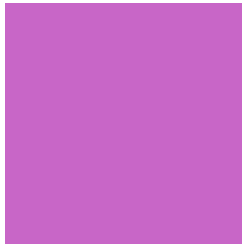
21.6254, 10.3997, 34.8328



1.0255, 0.4930, 1.6575

Previews

White Background



This preview shows how the XYZ color 38.8796, 25.9056, 56.9839 looks on a white background.

Color Contrast Check

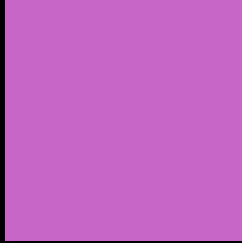
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8796, 25.9056, 56.9839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

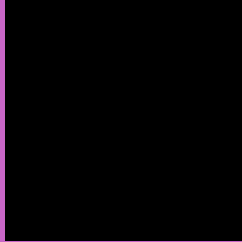
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8796, 25.9056, 56.9839

Background



This preview shows how black text looks on a background with the XYZ color 38.8796, 25.9056, 56.9839.

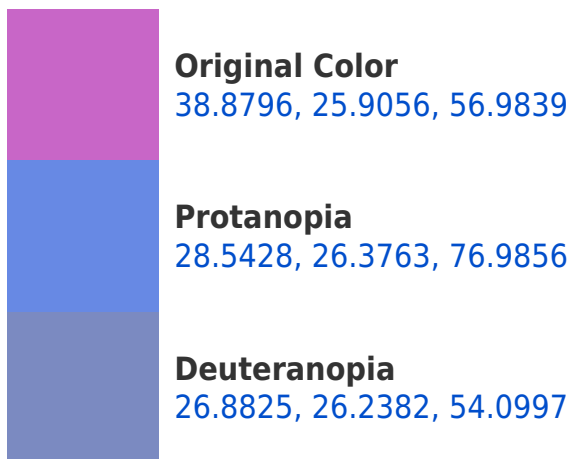


This preview shows how white text looks on a background with the XYZ color 38.8796, 25.9056,

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





Tritanopia

31.9790, 25.8285, 23.7220

Trichromacy



Original Color

38.8796, 25.9056, 56.9839



Protanomaly

30.2133, 24.8283, 68.8456



Deuteranomaly

29.9464, 25.1867, 54.9129



Tritanomaly

33.9860, 25.6127, 33.7243

Monochromacy



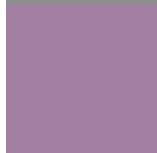
Original Color

38.8796, 25.9056, 56.9839



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

29.3045, 25.6096, 38.0490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8796, 25.9056, 56.9839 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, 102, 199)` looks like.

```
.text, #text, p{  
    color:rgb(200, 102, 199)  
}
```

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, 102, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 102, 199) }
```

Border

The CSS property to change the border of an element to XYZ 38.8796, 25.9056, 56.9839 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, 102, 199) }
```


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

```
.border{ border-color:rgb(200, 102, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 102, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 102, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 102, 199);  
box-shadow:4px 4px 4px 4px rgb(200, 102,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8796, 25.9056, 56.9839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 102, 199) }
```

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

```
.background{ background-color: rgb(200,  
102, 199) }
```

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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