

Converting Colors

XYZ(38.3917, 22.2711, 56.3267)

Have a look what the booklet for
XYZ(38.3917, 22.2711, 56.3267)
contains.

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Color

**XYZ(38.4897, 22.2865,
56.3059)**

Conversions

Conversions Part 1

Format	Color
Hex	CF4AC7
RGB	207, 74, 199
RGB Percent	81%, 29%, 78%
CMY	0.1882, 0.7098, 0.2196
CMYK	0.00, 0.64, 0.04, 0.19
HSL	304°, 58%, 55%
HSV	304°, 64%, 81%
XYZ	38.4897, 22.2865, 56.3059
YIQ	128.0170, 39.1430, 67.0710

Conversions

Conversions Part 2

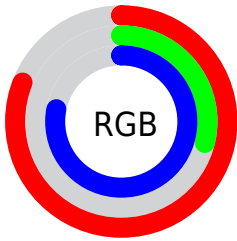
Format	Color
R _{YB}	207, 74, 199
Decimal	13585095
CIE Lab	54.33, 66.77, -39.27
CIE LCh	54, 77.466, 329.537
Yxy	22.2865, 0.3287, 0.1903
Android (android.graphics.Color)	4291775175 (0xFFCF4AC7)
YUV	128.0170, 34.9946, 69.2681
Hunter-Lab	47.2086, 62.9181, -37.6695

Details

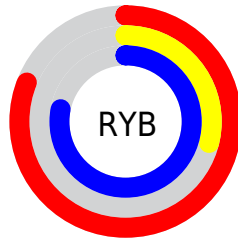
The XYZ color **38.4897, 22.2865, 56.3059** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **26.6609, 46.6916, 15.5913**, and the grayscale version is **20.3979, 21.4601, 23.3701**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **17.5053, 8.4339, 27.4933** is the 20% darker color. If you saturate the color by 10%, you get **37.1844, 19.9057, 55.1605**, and if you desaturate by 10%, it is **40.2523, 25.5789, 57.6099**.

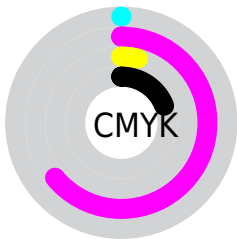
Distribution



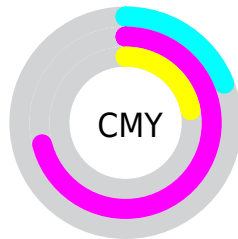
- Red (81%)
- Green (29%)
- Blue (78%)



- Red (81%)
- Yellow (29%)
- Blue (78%)



- Cyan (0%)
- Magenta (64%)
- Yellow (4%)
- Black (19%)




- Cyan (19%)
- Magenta (71%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4897, 22.2865, 56.3059 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 38.4897, 22.2865, 56.3059 by changing the saturation by 10% instead.

 38.4897, 22.2865,
56.3059

 38.4897, 22.2865,
56.3059


330.9607,
264.0388, 428.2640


 26.5419, 14.0676,
40.0426


 72.1572, 47.2191,
100.9419


 17.3643, 8.1677,
27.2577


 94.6076, 64.7015,
130.1518

 10.5915, 4.2024,
17.5327


 121.2896, 86.0405,
164.5142

 5.8581, 1.7874,
10.4491

 152.5685,
111.6206, 204.4477

 2.7988, 0.4793,
5.5882

 188.8097,
141.8260, 250.3709

 1.0483, 0.0000,
2.5317

230.3786,

 0.0000, 0.0000,

177.0413, 302.7023

0.8569

277.6404,
217.6508, 361.8605

■ 0.0000, 0.0000,
0.0000

■ 38.4897, 22.2865,
56.3059

■ 38.4897, 22.2865,
56.3059

■ 37.1844, 19.9057,
55.1605

■ 40.2523, 25.5789,
57.6099

■ 36.2874, 18.3403,
54.1568

■ 42.5101, 29.8602,
59.0847

■ 35.7431, 17.4783,
53.2766

■ 45.2997, 35.2032,
60.7426

■ 35.5318, 17.1853,
52.8068

■ 48.6536, 41.6730,
62.5945

■ 52.6018, 49.3293,
64.6504

■ 57.1720, 58.2277,
66.9195

■ 62.3902, 68.4204,
69.4105

■ 68.2811, 79.9564,
72.1317

■ 73.1512, 89.4491,
74.5186

Harmonies

Analogous

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



30.2393, 22.2865, 91.3873



38.4897, 22.2865, 56.3059



41.9243, 22.2865, 24.6438

Triad

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



38.4897, 22.2865, 56.3059



21.3141, 22.2865, 1.1432



9.9624, 22.2865, 55.1732

Complementary

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



38.4897, 22.2865, 56.3059



26.6609, 46.6916, 15.5913

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.



8.7401, 22.2865, 23.8925



38.4897, 22.2865, 56.3059



14.1431, 22.2865, 2.1265

Square

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



38.4897, 22.2865, 56.3059



30.5282, 22.2865, 2.2014



10.0420, 22.2865, 7.5000



13.9703, 22.2865, 90.4810

Rectangle

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



38.4897, 22.2865, 56.3059



40.4684, 22.2865, 11.7993



10.0420, 22.2865, 7.5000



9.2683, 22.2865, 43.3788

Sweetspot

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



38.4905, 22.2875, 56.3063



81.0282, 72.7016, 101.9286



17.0758, 11.1377, 60.2820



16.9600, 14.8182, 21.6157



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.



38.4905, 22.2875, 56.3063



58.9921, 30.8345, 87.7854



32.4746, 19.8812, 24.6268



12.2788, 11.9963, 14.7440



22.3991, 10.8325, 33.3373



1.2619, 0.6095, 1.9142

Inverse Universe

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



38.4905, 22.2875, 56.3063



58.9921, 30.8345, 87.7854



30.4162, 48.1937, 35.3662



12.2788, 11.9963, 14.7440



22.3991, 10.8325, 33.3373



1.2619, 0.6095, 1.9142

Previews

White Background



This preview shows how the XYZ color 38.4897, 22.2865, 56.3059 looks on a white background.

Color Contrast Check

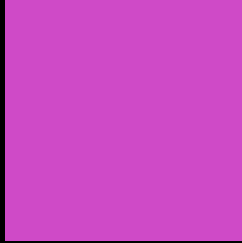
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4897, 22.2865, 56.3059 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 38.4897, 22.2865, 56.3059

Background



This preview shows how black text looks on a background with the XYZ color 38.4897, 22.2865, 56.3059.



This preview shows how white text looks on a background with the XYZ color 38.4897, 22.2865,

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

38.4897, 22.2865, 56.3059

Protanopia

26.2754, 22.6993, 90.1853

Deuteranopia

23.0884, 22.4824, 51.8378



Tritanopia

30.3864, 22.2604, 16.8825

Trichromacy



Original Color

38.4897, 22.2865, 56.3059



Protanomaly

26.7367, 19.9544, 76.5712



Deuteranomaly

26.4220, 20.6272, 53.0409



Tritanomaly

32.6362, 21.8228, 27.6914

Monochromacy



Original Color

38.4897, 22.2865, 56.3059



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

25.0999, 20.2263, 33.1530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4897, 22.2865, 56.3059 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(207, 74, 199)` looks like.

```
.text, #text, p{  
    color:rgb(207, 74, 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(207, 74, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 74, 199) }
```

Border

The CSS property to change the border of an element to XYZ 38.4897, 22.2865, 56.3059 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(207, 74, 199) }
```


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

```
.border{ border-color:rgb(207, 74, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 74, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 74, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 74, 199);  
box-shadow:4px 4px 4px 4px rgb(207, 74,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4897, 22.2865, 56.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 74, 199) }
```

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

```
.background{ background-color: rgb(207, 74,  
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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