

Converting Colors

XYZ(38.3936, 26.8613, 55.5849)

Have a look what the booklet for
XYZ(38.3936, 26.8613, 55.5849)
contains.

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Color

**XYZ(38.3047, 26.8731,
55.3927)**

Conversions

Conversions Part 1

Format	Color
Hex	C46EC4
RGB	196, 110, 196
RGB Percent	77%, 43%, 77%
CMY	0.2314, 0.5686, 0.2314
CMYK	0.00, 0.44, 0.00, 0.23
HSL	300°, 42%, 60%
HSV	300°, 44%, 77%
XYZ	38.3047, 26.8731, 55.3927
YIQ	145.5180, 23.6500, 44.9780

Conversions

Conversions Part 2

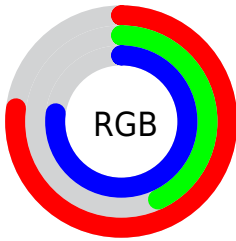
Format	Color
R_{YB}	196, 110, 196
Decimal	12873412
CIE _{Lab}	58.86, 46.67, -30.60
CIE _{LCh}	59, 55.802, 326.750
Yxy	26.8731, 0.3177, 0.2229
Android (android.graphics.Color)	4291063492 (0xFFC46EC4)
YUV	145.5180, 24.8876, 44.2727
Hunter-Lab	51.8393, 41.1772, -27.0667

Details

The XYZ color **38.3047, 26.8731, 55.3927** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.9860, 43.9217, 21.7033**, and the grayscale version is **27.0203, 28.4274, 30.9574**.

A 20% lighter version of the original color is **71.8781, 54.7136, 99.7009**, and **17.2108, 10.5546, 26.7213** is the 20% darker color. If you saturate the color by 10%, you get **36.4195, 23.1022, 54.7645**, and if you desaturate by 10%, it is **40.6594, 31.5817, 56.1780**.

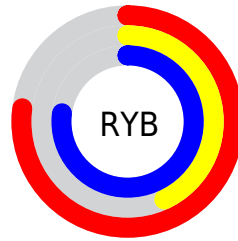
Distribution



Red (77%)

Green (43%)

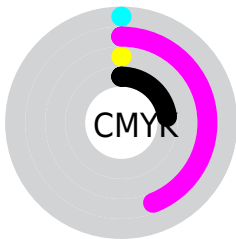
Blue (77%)



Red (77%)

Yellow (43%)

Blue (77%)

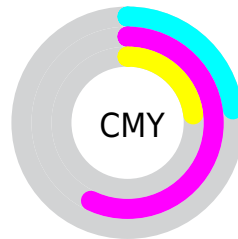


Cyan (0%)

Magenta (44%)

Yellow (0%)

Black (23%)



Cyan (23%)

Magenta (57%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3047, 26.8731, 55.3927 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 38.3047, 26.8731, 55.3927 by changing the saturation by 10% instead.

■ 38.3047, 26.8731,
55.3927

■ 38.3047, 26.8731,
55.3927

330.1835,
287.0422, 424.7226

■ 26.3975, 17.4779,
39.3155

■ 71.8758, 54.6802,
99.5930

■ 17.2555, 10.5758,
26.6955

■ 94.2705, 73.8609,
128.5532

■ 10.5133, 5.7824,
17.1143

■ 120.8917, 97.0722,
162.6448

■ 5.8054, 2.7132,
10.1532

■ 152.1048,
124.6986, 202.2863

■ 2.7667, 0.9839,
5.3937

188.2752,
157.1243, 247.8963

■ 1.0316, 0.0000,
2.4173

229.7683,

■ 0.0000, 0.0000,

194.7339, 299.8933

0.7959

276.9492,
237.9117, 358.6959

■ 0.0000, 0.0000,
0.0000

■ 38.3047, 26.8731,
55.3927

■ 38.3047, 26.8731,
55.3927

■ 36.4195, 23.1022,
54.7645

■ 40.6594, 31.5817,
56.1780

■ 34.9700, 20.2031,
54.2812

■ 43.5091, 37.2812,
57.1280

■ 33.9219, 18.1070,
53.9317

■ 46.8809, 44.0249,
58.2520

■ 33.2350, 16.7333,
53.7026

■ 50.7991, 51.8612,
59.5582

■ 32.8606, 15.9845,
53.5777

■ 55.2864, 60.8358,
61.0541

■ 32.7291, 15.7215,
53.5338

■ 60.3643, 70.9914,
62.7468

■ 66.0530, 82.3687,
64.6431

■ 68.4894, 87.2416,
65.4554

■ 68.4894, 87.2416,
65.4555

Harmonies

Analogous

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



31.9831, 26.8731, 77.9206



38.3047, 26.8731, 55.3927



41.1888, 26.8731, 31.4653

Triad

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



38.3047, 26.8731, 55.3927



26.3008, 26.8731, 5.3714



15.4417, 26.8731, 49.8825

Complementary

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



38.3047, 26.8731, 55.3927



28.9860, 43.9217, 21.7033

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.



14.4643, 26.8731, 27.1607



38.3047, 26.8731, 55.3927



20.0296, 26.8731, 6.7701

Square

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



38.3047, 26.8731, 55.3927



33.5189, 26.8731, 7.6139



15.9852, 26.8731, 12.9941



18.9432, 26.8731, 73.8590

Rectangle

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



38.3047, 26.8731, 55.3927



40.4494, 26.8731, 19.6288



15.9852, 26.8731, 12.9941



14.8378, 26.8731, 41.6174

Sweetspot

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



38.3056, 26.8743, 55.3933



85.3714, 80.6429, 105.6735



21.9713, 18.4536, 54.6293



17.9586, 16.6321, 22.5137



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.



38.3056, 26.8743, 55.3933



65.9882, 41.8768, 99.2117



34.0917, 25.1887, 33.2033



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3973



0.9086, 0.4365, 1.4862

Inverse Universe

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



38.3056, 26.8743, 55.3933



65.9882, 41.8768, 99.2117



31.9212, 45.0958, 37.1602



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3973



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 38.3047, 26.8731, 55.3927 looks on a white background.

Color Contrast Check

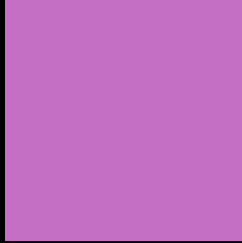
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3047, 26.8731, 55.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

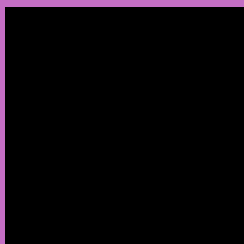
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.3047, 26.8731, 55.3927

Background



This preview shows how black text looks on a background with the XYZ color 38.3047, 26.8731, 55.3927.



This preview shows how white text looks on a background with the XYZ color 38.3047, 26.8731,

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

38.3047, 26.8731, 55.3927

Protanopia

28.9609, 27.1433, 71.4229

Deuteranopia

27.8353, 27.1849, 53.0703



Tritanopia

32.1803, 26.8001, 25.6672

Trichromacy



Original Color

38.3047, 26.8731, 55.3927



Protanomaly

30.8047, 25.9811, 65.0193



Deuteranomaly

30.6128, 26.3231, 53.9195



Tritanomaly

34.0834, 26.6703, 34.8040

Monochromacy



Original Color

38.3047, 26.8731, 55.3927



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

30.3982, 27.3479, 38.7985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3047, 26.8731, 55.3927 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(196, 110, 196)` looks like.

```
.text, #text, p{  
    color:rgb(196, 110, 196)  
}
```

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(196, 110, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 110, 196) }
```

Border

The CSS property to change the border of an element to XYZ 38.3047, 26.8731, 55.3927 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(196, 110, 196) }
```


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

```
.border{ border-color:rgb(196, 110, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 110, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 110, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 110, 196);  
box-shadow:4px 4px 4px 4px rgb(196, 110,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3047, 26.8731, 55.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 110, 196) }
```

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

```
.background{ background-color: rgb(196,  
110, 196) }
```

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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