

Converting Colors

XYZ(38.0205, 26.0746, 59.9101)

Have a look what the booklet for
XYZ(38.0205, 26.0746, 59.9101)
contains.

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Color

**XYZ(38.1491, 26.2125,
60.1756)**

Conversions

Conversions Part 1

Format	Color
Hex	C16BCC
RGB	193, 107, 204
RGB Percent	76%, 42%, 80%
CMY	0.2431, 0.5804, 0.2000
CMYK	0.05, 0.48, 0.00, 0.20
HSL	293°, 49%, 61%
HSV	293°, 48%, 80%
XYZ	38.1491, 26.2125, 60.1756
YIQ	143.7720, 20.1190, 48.3990

Conversions

Conversions Part 2

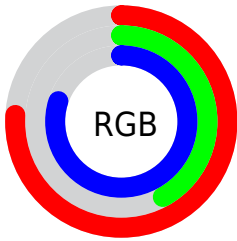
Format	Color
R _Y B	193, 107, 204
Decimal	12676044
CIE Lab	58.24, 48.83, -36.13
CIE LCh	58, 60.745, 323.501
Yxy	26.2125, 0.3063, 0.2105
Android (android.graphics.Color)	4290866124 (0xFFC16BCC)
YUV	143.7720, 29.6924, 43.1730
Hunter-Lab	51.1981, 43.4083, -33.8476

Details

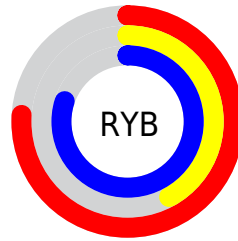
The XYZ color **38.1491, 26.2125, 60.1756** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.7188, 48.0995, 21.5235**, and the grayscale version is **26.2973, 27.6668, 30.1291**.

A 20% lighter version of the original color is **70.5785, 53.2190, 101.1601**, and **17.1075, 10.2207, 29.5049** is the 20% darker color. If you saturate the color by 10%, you get **35.6829, 22.1481, 59.5215**, and if you desaturate by 10%, it is **41.1280, 31.2872, 60.9985**.

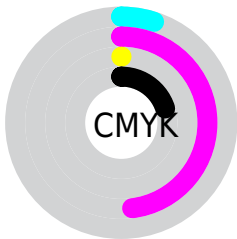
Distribution



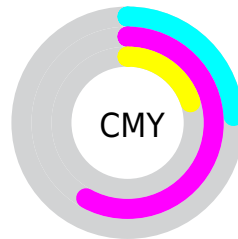
- Red (76%)
- Green (42%)
- Blue (80%)



- Red (76%)
- Yellow (42%)
- Blue (80%)



- Cyan (5%)
- Magenta (48%)
- Yellow (0%)
- Black (20%)





- Cyan (24%)
- Magenta (58%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1491, 26.2125, 60.1756 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 38.1491, 26.2125, 60.1756 by changing the saturation by 10% instead.


 38.1491, 26.2125,
60.1756


 38.1491, 26.2125,
60.1756


329.5289,
283.8237, 443.0673

 26.2762, 16.9827,
43.1340


 71.6390, 53.6176,
106.6302


 17.1641, 10.2221,
29.6581


 93.9868, 72.5616,
136.8803

 10.4476, 5.5465,
19.3293

 120.5568, 95.5125,
172.3702

 5.7613, 2.5713,
11.7293

 151.7145,
122.8546, 213.5186

 2.7397, 0.9123,
6.4393

187.8252,
154.9724, 260.7440

 1.0177, 0.0000,
3.0409

229.2542,

 0.0000, 0.0000,

192.2503, 314.4649

1.1156

276.3671,
235.0726, 375.0998

■ 0.0000, 0.0000,
0.0000

■ 38.1491, 26.2125,
60.1756

■ 38.1491, 26.2125,
60.1756

■ 35.6829, 22.1481,
59.5215

■ 41.1280, 31.2872,
60.9985

■ 33.6908, 19.0191,
59.0225

■ 44.6492, 37.4335,
61.9993

■ 32.1332, 16.7452,
58.6657


■ 48.7434, 44.7119,
63.1883


■ 30.9624, 15.2316,
58.4352


■ 53.4380, 53.1772,
64.5749


■ 30.1117, 14.3447,
58.3089


■ 58.7587, 62.8807,
66.1674

 29.9241, 14.1674,
58.2846

 64.7296, 73.8709,
67.9740

 71.3738, 86.1934,
70.0023

 73.6689, 89.8037,
70.5782

 74.3386, 90.1489,
70.6096

Harmonies

Analogous

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



31.0113, 26.2125, 84.3763



38.1491, 26.2125, 60.1756



41.8378, 26.2125, 33.3914

Triad

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



38.1491, 26.2125, 60.1756



26.5548, 26.2125, 4.2123



14.0362, 26.2125, 48.0052

Complementary

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



38.1491, 26.2125, 60.1756



31.7188, 48.0995, 21.5235

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.



13.3085, 26.2125, 24.1845



38.1491, 26.2125, 60.1756



19.6737, 26.2125, 5.1418

Square

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



38.1491, 26.2125, 60.1756



34.3424, 26.2125, 6.7527



15.1604, 26.2125, 10.5518



17.3918, 26.2125, 75.2531

Rectangle

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



38.1491, 26.2125, 60.1756



41.4140, 26.2125, 20.0662



15.1604, 26.2125, 10.5518



13.5077, 26.2125, 39.1180

Sweetspot

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



38.1500, 26.2136, 60.1762



83.2261, 78.5400, 105.3810



23.4794, 20.5183, 59.8501



17.4631, 16.1806, 22.4527



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.



38.1500, 26.2136, 60.1762



59.0222, 36.5634, 98.5544



37.1185, 26.1371, 39.5600



11.5574, 11.3367, 14.1494



18.8844, 8.9428, 36.6871



1.0107, 0.4802, 1.8944

Inverse Universe

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



33.4304, 24.6619, 20.1389



50.5527, 33.8463, 23.6520



32.7053, 48.3314, 34.0654



11.2632, 11.2340, 11.9206



15.7893, 8.1263, 1.3433



0.8323, 0.4263, 0.1630

Previews

White Background



This preview shows how the XYZ color 38.1491, 26.2125, 60.1756 looks on a white background.

Color Contrast Check

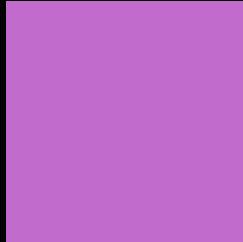
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.1491, 26.2125, 60.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

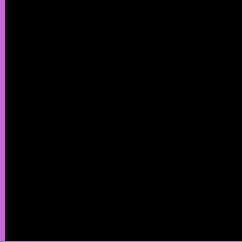
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.1491, 26.2125, 60.1756

Background



This preview shows how black text looks on a background with the XYZ color 38.1491, 26.2125, 60.1756.



This preview shows how white text looks on a background with the XYZ color 38.1491, 26.2125,

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

38.1491, 26.2125, 60.1756

Protanopia

28.8221, 26.4881, 78.4565

Deuteranopia

27.1714, 26.5355, 57.1159



Tritanopia

31.2085, 26.2991, 25.6217

Trichromacy



Original Color

38.1491, 26.2125, 60.1756



Protanomaly

30.6653, 25.3764, 71.6885



Deuteranomaly

30.0473, 25.5519, 57.9919



Tritanomaly

33.2300, 26.0249, 36.0728

Monochromacy



Original Color

38.1491, 26.2125, 60.1756



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

29.8995, 26.6672, 39.6478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1491, 26.2125, 60.1756 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(193, 107, 204)` looks like.

```
.text, #text, p{  
    color:rgb(193, 107, 204)  
}
```

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(193, 107, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 107, 204) }
```

Border

The CSS property to change the border of an element to XYZ 38.1491, 26.2125, 60.1756 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(193, 107, 204) }
```


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

```
.border{ border-color:rgb(193, 107, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 107, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 107, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 107, 204);  
box-shadow:4px 4px 4px 4px rgb(193, 107,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1491, 26.2125, 60.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 107, 204) }
```

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

```
.background{ background-color: rgb(193,  
107, 204) }
```

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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