

Converting Colors

XYZ(38.5269, 26.0328, 50.3627)

Have a look what the booklet for
XYZ(38.5269, 26.0328, 50.3627)
contains.

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Color

**XYZ(38.5560, 26.0278,
50.5687)**

Conversions

Conversions Part 1

Format	Color
Hex	CB67BC
RGB	203, 103, 188
RGB Percent	80%, 40%, 74%
CMY	0.2039, 0.5961, 0.2627
CMYK	0.00, 0.49, 0.07, 0.20
HSL	309°, 49%, 60%
HSV	309°, 49%, 80%
XYZ	38.5560, 26.0278, 50.5687
YIQ	142.5900, 32.3150, 47.6350

Conversions

Conversions Part 2

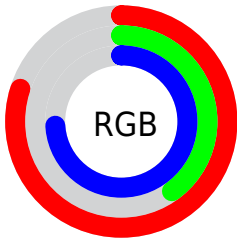
Format	Color
R _Y B	203, 103, 188
Decimal	13330364
CIE _{Lab}	58.06, 50.89, -27.19
CIE _{LCh}	58, 57.698, 331.888
Y _{xy}	26.0278, 0.3348, 0.2260
Android (android.graphics.Color)	4291520444 (0xFFCB67BC)
YUV	142.5900, 22.3871, 52.9796
Hunter-Lab	51.0174, 45.6193, -23.0563

Details

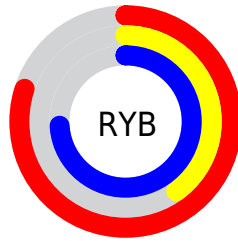
The XYZ color **38.5560, 26.0278, 50.5687** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.2207, 46.9045, 24.6019**, and the grayscale version is **25.8507, 27.1970, 29.6175**.

A 20% lighter version of the original color is **69.6261, 51.9056, 91.9370**, and **17.4340, 10.1209, 23.5889** is the 20% darker color. If you saturate the color by 10%, you get **36.4519, 22.3390, 48.2649**, and if you desaturate by 10%, it is **41.1588, 30.7020, 53.0735**.

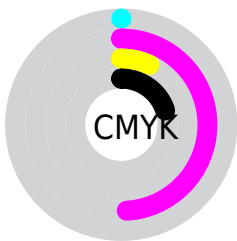
Distribution



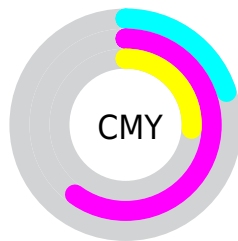
- Red (80%)
- Green (40%)
- Blue (74%)



- Red (80%)
- Yellow (40%)
- Blue (74%)



- Cyan (0%)
- Magenta (49%)
- Yellow (7%)
- Black (20%)



- Cyan (20%)
- Magenta (60%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5560, 26.0278, 50.5687 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 38.5560, 26.0278, 50.5687 by changing the saturation by 10% instead.

38.5560, 26.0278,
50.5687

38.5560, 26.0278,
50.5687

331.2389,
282.9185, 405.6844

26.5937, 16.8444,
35.4911

72.2580, 53.3198,
92.4219

17.4033, 10.1236,
23.7549

94.7283, 72.1972,
120.0346

10.6195, 5.4810,
14.9414

121.4320, 95.0748,
152.6627

5.8770, 2.5322,
8.6321

152.7345,
122.3369, 190.7249

2.8104, 0.8927,
4.4085

189.0011,
154.3679, 234.6396

1.0543, 0.0000,
1.8520

230.5971,

0.0000, 0.0000,

191.5523, 284.8254

0.4619

277.8879,
234.2743, 341.7008

■ 0.0000, 0.0000,
0.0000

■ 38.5560, 26.0278,
50.5687

■ 38.5560, 26.0278,
50.5687

■ 36.4519, 22.3390,
48.2649

■ 41.1588, 30.7020,
53.0735

■ 34.8079, 19.5598,
46.1481

■ 44.2904, 36.4229,
55.7886

■ 33.5837, 17.6092,
44.2050

■ 47.9811, 43.2511,
58.7248

■ 32.7308, 16.3905,
42.4193

■ 52.2587, 51.2417,
61.8913

■ 32.1663, 15.7377,
40.7631

■ 57.1487, 60.4457,
65.2970

■ 32.1282, 15.6964,
40.6429

■ 62.6753, 70.9115,
68.9500

■ 68.8613, 82.6847,
72.8583

■ 72.3185, 88.9885,
75.8925

■ 72.7072, 89.1440,
77.9397

Harmonies

Analogous

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



32.5225, 26.0278, 75.0721



38.5560, 26.0278, 50.5687



40.7124, 26.0278, 27.0932

Triad

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



38.5560, 26.0278, 50.5687



24.2994, 26.0278, 4.6741



15.0078, 26.0278, 53.8621

Complementary

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



38.5560, 26.0278, 50.5687



30.2207, 46.9045, 24.6019

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.



13.6082, 26.0278, 29.6242



38.5560, 26.0278, 50.5687



18.3078, 26.0278, 6.6355

Square

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



38.5560, 26.0278, 50.5687



31.6127, 26.0278, 6.1663



14.6934, 26.0278, 13.8189



18.9412, 26.0278, 77.5209

Rectangle

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



38.5560, 26.0278, 50.5687



39.3894, 26.0278, 16.2958



14.6934, 26.0278, 13.8189



14.2627, 26.0278, 45.2083

Sweetspot

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



38.5569, 26.0290, 50.5692



83.1283, 77.6128, 100.4364



23.1022, 17.8651, 58.7315



17.4746, 16.0189, 21.2587



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.



38.5569, 26.0290, 50.5692



60.8726, 37.1224, 80.6220



34.0674, 24.2332, 26.9280



11.6124, 11.3737, 13.7595



20.4727, 9.9997, 26.0057



1.0763, 0.5239, 1.4477

Inverse Universe

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



38.5569, 26.0290, 50.5692



60.8726, 37.1224, 80.6220



34.0184, 48.4236, 44.6008



11.6124, 11.3737, 13.7595



20.4727, 9.9997, 26.0057



1.0763, 0.5239, 1.4477

Previews

White Background



This preview shows how the XYZ color 38.5560, 26.0278, 50.5687 looks on a white background.

Color Contrast Check

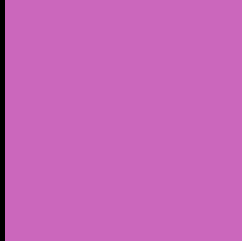
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5560, 26.0278, 50.5687 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 38.5560, 26.0278, 50.5687

Background



This preview shows how black text looks on a background with the XYZ color 38.5560, 26.0278, 50.5687.



This preview shows how white text looks on a background with the XYZ color 38.5560, 26.0278,

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

38.5560, 26.0278, 50.5687

Protanopia

27.8935, 26.2424, 67.8851

Deuteranopia

26.8920, 26.3797, 47.9304



Tritanopia

32.8921, 25.9647, 23.0167

Trichromacy



Original Color

38.5560, 26.0278, 50.5687

Protanomaly

30.0301, 25.0948, 61.0186

Deuteranomaly

29.8900, 25.2960, 48.6546

Tritanomaly

34.7722, 25.9004, 31.6003

Monochromacy



Original Color

38.5560, 26.0278, 50.5687

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

29.4942, 25.9409, 36.2535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5560, 26.0278, 50.5687 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(203, 103, 188)` looks like.

```
.text, #text, p{  
    color:rgb(203, 103, 188)  
}
```

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(203, 103, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 103, 188) }
```

Border

The CSS property to change the border of an element to XYZ 38.5560, 26.0278, 50.5687 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(203, 103, 188) }
```


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

```
.border{ border-color:rgb(203, 103, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 103, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 103, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 103, 188);  
box-shadow:4px 4px 4px 4px rgb(203, 103,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5560, 26.0278, 50.5687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 103, 188) }
```

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

```
.background{ background-color: rgb(203,  
103, 188) }
```

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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