

Converting Colors

XYZ(42.1861, 30.1770, 60.0415)

Have a look what the booklet for
XYZ(42.1861, 30.1770, 60.0415)
contains.

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Color

**XYZ(42.1598, 30.1060,
60.0889)**

Conversions

Conversions Part 1

Format	Color
Hex	CC76CB
RGB	204, 118, 203
RGB Percent	80%, 46%, 80%
CMY	0.2000, 0.5372, 0.2039
CMYK	0.00, 0.42, 0.00, 0.20
HSL	301°, 46%, 63%
HSV	301°, 42%, 80%
XYZ	42.1598, 30.1060, 60.0889
YIQ	153.4040, 23.9710, 44.6670

Conversions

Conversions Part 2

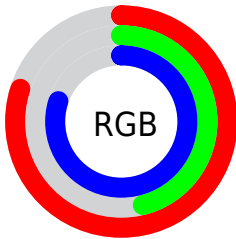
Format	Color
R_{YB}	204, 118, 203
Decimal	13399755
CIE _{Lab}	61.75, 46.21, -30.01
CIE _{LCh}	62, 55.097, 327.003
Yxy	30.1060, 0.3185, 0.2275
Android (android.graphics.Color)	4291589835 (0xFFCC76CB)
YUV	153.4040, 24.4508, 44.3727
Hunter-Lab	54.8689, 41.1339, -26.5223

Details

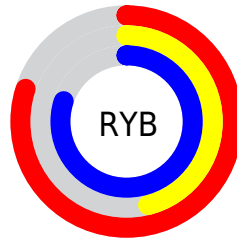
The XYZ color **42.1598, 30.1060, 60.0889** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.3952, 48.3704, 25.0835**, and the grayscale version is **30.3446, 31.9248, 34.7661**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **19.5858, 12.3623, 29.7876** is the 20% darker color. If you saturate the color by 10%, you get **39.9843, 25.7996, 59.2245**, and if you desaturate by 10%, it is **44.8568, 35.4540, 61.1279**.

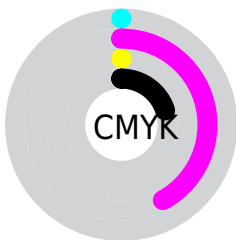
Distribution



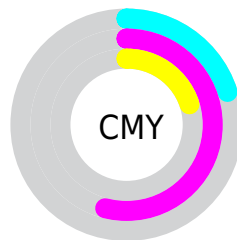
- Red (80%)
- Green (46%)
- Blue (80%)



- Red (80%)
- Yellow (46%)
- Blue (80%)



- Cyan (0%)
- Magenta (42%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (54%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1598, 30.1060, 60.0889 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 42.1598, 30.1060, 60.0889 by changing the saturation by 10% instead.


 42.1598, 30.1060,
60.0889


 42.1598, 30.1060,
60.0889

346.1253,
302.3982, 442.7391


 29.4181, 19.9191,
43.0645


 77.7051, 59.8298,
106.5033

 19.5432, 12.3362,
29.6040


 101.2393, 80.1354,
136.7303

 12.1698, 6.9731,
19.2887


 129.1018,
104.5827, 172.1954

 6.9324, 3.4453,
11.7001

161.6579,
133.5561, 213.3169

 3.4658, 1.3684,
6.4198

199.2730,
167.4399, 260.5135

 1.4046, 0.1932,
3.0291

242.3123,

 0.2595, 0.0000,

206.6186, 314.2037

1.1095

291.1413,
251.4766, 374.8061

■ 0.0000, 0.0000,
0.0000

■ 42.1598, 30.1060,
60.0889

■ 42.1598, 30.1060,
60.0889

■ 39.9843, 25.7996,
59.2245

■ 44.8568, 35.4540,
61.1279

■ 38.2935, 22.4632,
58.5217

■ 48.1031, 41.9013,
62.3499

■ 37.0506, 20.0224,
57.9683

■ 51.9282, 49.5059,
63.7651

■ 36.2122, 18.3906,
57.5499

■ 56.3583, 58.3207,
65.3822

■ 35.7262, 17.4637,
57.2493

■ 61.4185, 68.3954,
67.2095

■ 35.5189, 17.0842,
57.0716

■ 67.1320, 79.7768,
69.2548

■ 71.6410, 88.7491,
70.8988

■ 71.6697, 88.7605,
71.0495

■ 71.6983, 88.7720,
71.2005

Harmonies

Analogous

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



35.5136, 30.1060, 83.5951



42.1598, 30.1060, 60.0889



45.1506, 30.1060, 34.9392

Triad

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



42.1598, 30.1060, 60.0889



29.3590, 30.1060, 6.7161



17.7917, 30.1060, 54.7719

Complementary

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



42.1598, 30.1060, 60.0889



32.3952, 48.3704, 25.0835

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.



16.7076, 30.1060, 30.7123



42.1598, 30.1060, 60.0889



22.6729, 30.1060, 8.3448

Square

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



42.1598, 30.1060, 60.0889



37.0100, 30.1060, 9.2227



18.3346, 30.1060, 15.3269



21.5961, 30.1060, 79.7126

Rectangle

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



42.1598, 30.1060, 60.0889



44.3454, 30.1060, 22.3237



18.3346, 30.1060, 15.3269



17.1286, 30.1060, 46.0786

Sweetspot

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



42.1608, 30.1073, 60.0895



85.3094, 80.6181, 105.3470



24.8501, 21.1695, 59.9041



17.9431, 16.6259, 22.4319



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.



42.1608, 30.1073, 60.0895



66.3745, 43.0375, 98.1440



37.8145, 28.3688, 37.2023



11.6817, 11.4014, 14.1245



22.3582, 10.7539, 35.9345



1.1553, 0.5555, 1.8636

Inverse Universe

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



42.1608, 30.1073, 60.0895



66.3745, 43.0375, 98.1440



35.4983, 49.6117, 41.4247



11.6817, 11.4014, 14.1245



22.3582, 10.7539, 35.9345



1.1553, 0.5555, 1.8636

Previews

White Background



This preview shows how the XYZ color 42.1598, 30.1060, 60.0889 looks on a white background.

Color Contrast Check

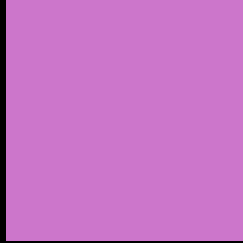
Large Text (above 18pt) WCAG AA × Fail

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 42.1598, 30.1060, 60.0889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

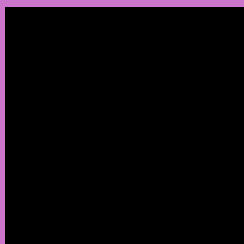
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1598, 30.1060, 60.0889

Background



This preview shows how black text looks on a background with the XYZ color 42.1598, 30.1060, 60.0889.



This preview shows how white text looks on a background with the XYZ color 42.1598, 30.1060,

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

42.1598, 30.1060, 60.0889

Protanopia

32.1872, 30.4960, 76.1414

Deuteranopia

31.1080, 30.3479, 57.6442



Tritanopia

35.6890, 29.8914, 29.0879

Trichromacy



Original Color

42.1598, 30.1060, 60.0889



Protanomaly

34.4079, 29.3457, 70.1805



Deuteranomaly

34.1298, 29.4598, 58.5311



Tritanomaly

37.7149, 29.7442, 38.8754

Monochromacy



Original Color

42.1598, 30.1060, 60.0889



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

33.7420, 30.4671, 42.6304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1598, 30.1060, 60.0889 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(204, 118, 203)` looks like.

```
.text, #text, p{  
    color:rgb(204, 118, 203)  
}
```

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(204, 118, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 118, 203) }
```

Border

The CSS property to change the border of an element to XYZ 42.1598, 30.1060, 60.0889 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(204, 118, 203) }
```


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

```
.border{ border-color:rgb(204, 118, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 118, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 118, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 118, 203);  
box-shadow:4px 4px 4px 4px rgb(204, 118,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1598, 30.1060, 60.0889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 118, 203) }
```

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

```
.background{ background-color: rgb(204,  
118, 203) }
```

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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