

Converting Colors

XYZ(42.3887, 27.3656, 66.4155)

Have a look what the booklet for
XYZ(42.3887, 27.3656, 66.4155)
contains.

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Color

**XYZ(42.5234, 27.4278,
66.6712)**

Conversions

Conversions Part 1

Format	Color
Hex	CF65D6
RGB	207, 101, 214
RGB Percent	81%, 40%, 84%
CMY	0.1882, 0.6039, 0.1608
CMYK	0.03, 0.53, 0.00, 0.16
HSL	296°, 58%, 62%
HSV	296°, 53%, 84%
XYZ	42.5234, 27.4278, 66.6712
YIQ	145.5760, 26.9030, 57.6150

Conversions

Conversions Part 2

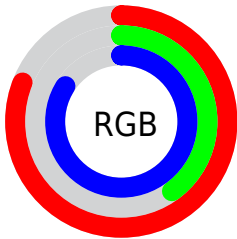
Format	Color
R _Y B	207, 101, 214
Decimal	13592022
CIE Lab	59.37, 57.55, -39.89
CIE LCh	59, 70.022, 325.274
Yxy	27.4278, 0.3112, 0.2008
Android (android.graphics.Color)	4291782102 (0xFFCF65D6)
YUV	145.5760, 33.7330, 53.8688
Hunter-Lab	52.3716, 53.2839, -38.8186

Details

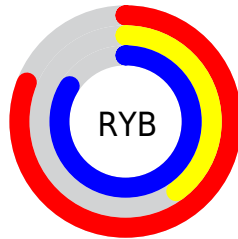
The XYZ color **42.5234, 27.4278, 66.6712** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.5808, 52.2215, 20.6758**, and the grayscale version is **27.0082, 28.4147, 30.9436**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **19.7741, 10.8640, 33.8556** is the 20% darker color. If you saturate the color by 10%, you get **40.3412, 23.6102, 66.0497**, and if you desaturate by 10%, it is **45.2515, 32.3312, 67.4743**.

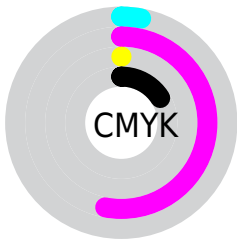
Distribution



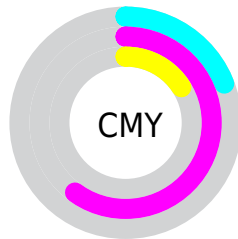
- Red (81%)
- Green (40%)
- Blue (84%)



- Red (81%)
- Yellow (40%)
- Blue (84%)



- Cyan (3%)
- Magenta (53%)
- Yellow (0%)
- Black (16%)





- Cyan (19%)
- Magenta (60%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5234, 27.4278, 66.6712 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 42.5234, 27.4278, 66.6712 by changing the saturation by 10% instead.


 42.5234, 27.4278,
66.6712

 42.5234, 27.4278,
66.6712

347.6029,
289.7225, 467.2431

 29.7042, 17.8948,
48.3576


 78.2514, 55.5696,
116.0853


 19.7612, 10.8745,
33.7481


 101.8909, 74.9471,
148.0229

 12.3288, 5.9825,
22.4244


 129.8679, 98.3750,
185.3388

 7.0418, 2.8344,
13.9678

 162.5478,
126.2375, 228.4517

 3.5348, 1.0459,
7.9598

200.2958,
158.9192, 277.7800

 1.4425, 0.0000,
3.9818

243.4775,

 0.2862, 0.0000,

196.8043, 333.7423

1.6154

292.4581,
240.2773, 396.7571

■ 0.0000, 0.0000,
0.3017

■ 0.0000, 0.0000,
0.0000

■ 42.5234, 27.4278,
66.6712

■ 42.5234, 27.4278,
66.6712

■ 40.3412, 23.6102,
66.0497

■ 45.2515, 32.3312,
67.4743

■ 38.6591, 20.7888,
65.5938


■ 48.5610, 38.3933,
68.4699


■ 37.4286, 18.8661,
65.2875


■ 52.4876, 45.6851,
69.6704


■ 36.5901, 17.7229,
65.1111


■ 57.0634, 54.2707,
71.0865


 36.1566, 17.2373,
65.0402

 62.3183, 64.2098,
72.7279

 68.2803, 75.5585,
74.6042

 74.9759, 88.3696,
76.7241

 76.6934, 91.2198,
77.1837

 77.0905, 91.4245,
77.2023

Harmonies

Analogous

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



33.9492, 27.4278, 98.2486



42.5234, 27.4278, 66.6712



46.7364, 27.4278, 34.0208

Triad

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



42.5234, 27.4278, 66.6712



27.4829, 27.4278, 2.9636



13.6038, 27.4278, 55.5824

Complementary

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



42.5234, 27.4278, 66.6712



32.5808, 52.2215, 20.6758

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.



12.6198, 27.4278, 26.0608



42.5234, 27.4278, 66.6712



19.5141, 27.4278, 4.0253

Square

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



42.5234, 27.4278, 66.6712



36.8993, 27.4278, 5.1641



14.5240, 27.4278, 9.9409



17.5974, 27.4278, 89.7106

Rectangle

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



42.5234, 27.4278, 66.6712



45.9467, 27.4278, 18.8659



14.5240, 27.4278, 9.9409



12.9545, 27.4278, 44.4734

Sweetspot

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



42.5244, 27.4290, 66.6718



82.4635, 76.1983, 104.9692



22.9245, 18.4610, 65.9738



17.3452, 15.7363, 22.3732



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.



42.5244, 27.4290, 66.6718



59.7572, 34.7091, 98.1577



39.1807, 26.3225, 38.6301



12.8735, 12.5917, 15.6895



21.8871, 10.4357, 39.3139



1.3436, 0.6416, 2.3723

Inverse Universe

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



35.0929, 24.6874, 17.1040



47.7879, 30.3334, 16.5132



34.9167, 53.0615, 37.2430



12.4541, 12.4332, 13.0658



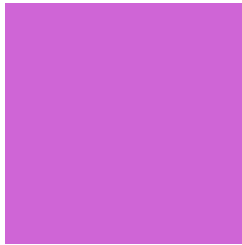
16.8199, 8.6643, 1.0900



1.0257, 0.5271, 0.1248

Previews

White Background



This preview shows how the XYZ color 42.5234, 27.4278, 66.6712 looks on a white background.

Color Contrast Check

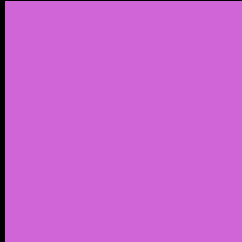
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5234, 27.4278, 66.6712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

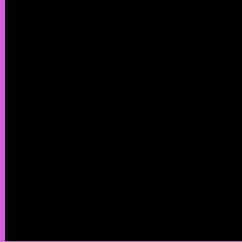
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.5234, 27.4278, 66.6712

Background



This preview shows how black text looks on a background with the XYZ color 42.5234, 27.4278, 66.6712.

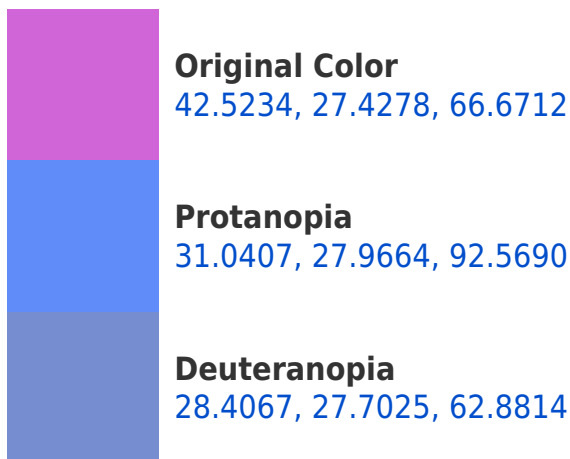


This preview shows how white text looks on a background with the XYZ color 42.5234, 27.4278,

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





Tritanopia

33.8212, 27.2935, 24.9583

Trichromacy



Original Color

42.5234, 27.4278, 66.6712

Protanomaly

32.7545, 26.2121, 82.6900

Deuteranomaly

31.7999, 26.3159, 64.3762

Tritanomaly

36.2698, 26.8872, 36.9963

Monochromacy



Original Color

42.5234, 27.4278, 66.6712

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.4818, 27.2304, 42.1248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5234, 27.4278, 66.6712 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, 101, 214)` looks like.

```
.text, #text, p{  
    color:rgb(207, 101, 214)  
}
```

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, 101, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 101, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.5234, 27.4278, 66.6712 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, 101, 214) }
```


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

```
.border{ border-color:rgb(207, 101, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 101, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 101, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 101, 214);  
box-shadow:4px 4px 4px 4px rgb(207, 101,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5234, 27.4278, 66.6712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 101, 214) }
```

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

```
.background{ background-color: rgb(207,  
101, 214) }
```

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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