

Converting Colors

XYZ(34.9482, 22.1821, 66.5920)

Have a look what the booklet for
XYZ(34.9482, 22.1821, 66.5920)
contains.

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Color

**XYZ(35.0629, 22.2122,
66.7293)**

Conversions

Conversions Part 1

Format	Color
Hex	B55BD7
RGB	181, 91, 215
RGB Percent	71%, 36%, 84%
CMY	0.2902, 0.6431, 0.1569
CMYK	0.16, 0.58, 0.00, 0.16
HSL	284°, 61%, 60%
HSV	284°, 58%, 84%
XYZ	35.0629, 22.2122, 66.7293
YIQ	132.0460, 13.8360, 57.6440

Conversions

Conversions Part 2

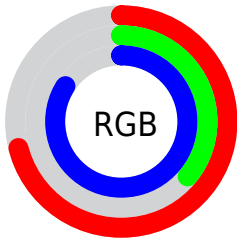
Format	Color
R _Y B	181, 91, 215
Decimal	11885527
CIE Lab	54.25, 55.79, -48.76
CIE LCh	54, 74.094, 318.847
Yxy	22.2122, 0.2828, 0.1791
Android (android.graphics.Color)	4290075607 (0xFFB55BD7)
YUV	132.0460, 40.8963, 42.9327
Hunter-Lab	47.1298, 50.3204, -50.9556

Details

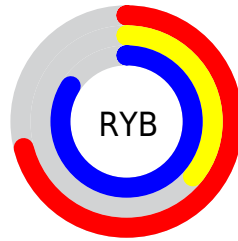
The XYZ color **35.0629, 22.2122, 66.7293** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **34.6467, 53.7166, 18.4406**, and the grayscale version is **21.8033, 22.9388, 24.9803**.

A 20% lighter version of the original color is **63.7720, 45.8215, 100.0910**, and **15.3463, 8.1249, 33.5603** is the 20% darker color. If you saturate the color by 10%, you get **32.1283, 18.3511, 66.1391**, and if you desaturate by 10%, it is **38.5841, 27.1579, 67.4987**.

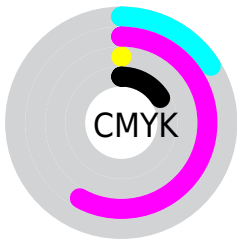
Distribution



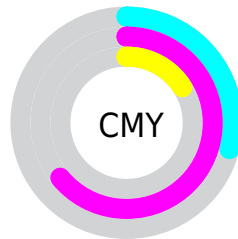
- Red (71%)
- Green (36%)
- Blue (84%)



- Red (71%)
- Yellow (36%)
- Blue (84%)



- Cyan (16%)
- Magenta (58%)
- Yellow (0%)
- Black (16%)





- Cyan (29%)
- Magenta (64%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0629, 22.2122, 66.7293 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 35.0629, 22.2122, 66.7293 by changing the saturation by 10% instead.

 35.0629, 22.2122,
66.7293


 35.0629, 22.2122,
66.7293


316.3490,
263.6524, 467.4558

 23.8781, 14.0129,
48.4045


 66.9166, 47.0965,
116.1694

 15.3674, 8.1296,
33.7850

 88.3161, 64.5502,
148.1217

 9.1657, 4.1780,
22.4525


 113.8513, 85.8576,
185.4537

 4.9074, 1.7736,
13.9883

 143.8875,
111.4030, 228.5837

 2.2272, 0.4707,
7.9738

178.7900,
141.5708, 277.9304

 0.7570, 0.0000,
3.9907

218.9242,

 0.0000, 0.0000,

176.7453, 333.9123

1.6202

264.6554,
217.3111, 396.9479

■ 0.0000, 0.0000,
0.3052

■ 0.0000, 0.0000,
0.0000

■ 35.0629, 22.2122,
66.7293

■ 35.0629, 22.2122,
66.7293

■ 32.1283, 18.3511,
66.1391

■ 38.5841, 27.1579,
67.4987

■ 29.7307, 15.4790,
65.7111

■ 42.7308, 33.2677,
68.4594


■ 27.8158, 13.4877,
65.4276


■ 47.5414, 40.6164,
69.6243


■ 26.3073, 12.2256,
65.2635


■ 53.0504, 49.2718,
71.0047


 25.9859, 11.9793,
65.2329

 59.2897, 59.2969,
72.6108

 66.2890, 70.7504,
74.4527

 74.0766, 83.6874,
76.5393

 80.0722, 92.9469,
78.0106

 81.9763, 93.9284,
78.0997

Harmonies

Analogous

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



26.5245, 22.2122, 95.2000



35.0629, 22.2122, 66.7293



40.2593, 22.2122, 33.8268

Triad

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



35.0629, 22.2122, 66.7293



24.2540, 22.2122, 1.5459



9.5795, 22.2122, 41.5428

Complementary

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



35.0629, 22.2122, 66.7293



34.6467, 53.7166, 18.4406

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.



9.2652, 22.2122, 16.5757



35.0629, 22.2122, 66.7293



16.4910, 22.2122, 1.8056

Square

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



35.0629, 22.2122, 66.7293



33.0411, 22.2122, 3.7957



11.4609, 22.2122, 5.1574



12.4675, 22.2122, 75.3603

Rectangle

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



35.0629, 22.2122, 66.7293



40.4261, 22.2122, 17.9815



11.4609, 22.2122, 5.1574



9.2028, 22.2122, 31.6734

Sweetspot

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



35.0638, 22.2131, 66.7298



78.5076, 73.2072, 104.6003



24.0588, 22.0871, 67.2855



16.4312, 15.0776, 22.2942



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.



35.0638, 22.2131, 66.7298



46.5139, 26.0496, 97.1843



40.8575, 25.5665, 50.4344



12.6056, 12.4536, 15.6769



15.6494, 7.2200, 39.0220



1.0216, 0.4756, 2.3573

Inverse Universe

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



35.4676, 23.4106, 22.0519



47.8895, 28.3991, 23.1364



31.8775, 52.1303, 25.4809



12.5618, 12.4762, 13.6325



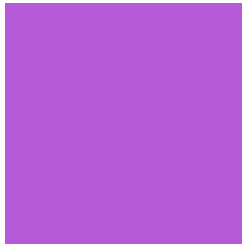
17.2719, 8.8451, 3.4699



1.0767, 0.5475, 0.3931

Previews

White Background



This preview shows how the XYZ color 35.0629, 22.2122, 66.7293 looks on a white background.

Color Contrast Check

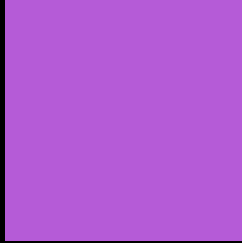
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.0629, 22.2122, 66.7293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

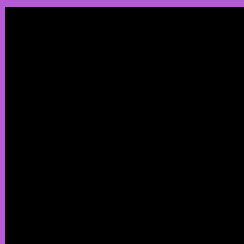
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.0629, 22.2122, 66.7293

Background



This preview shows how black text looks on a background with the XYZ color 35.0629, 22.2122, 66.7293.

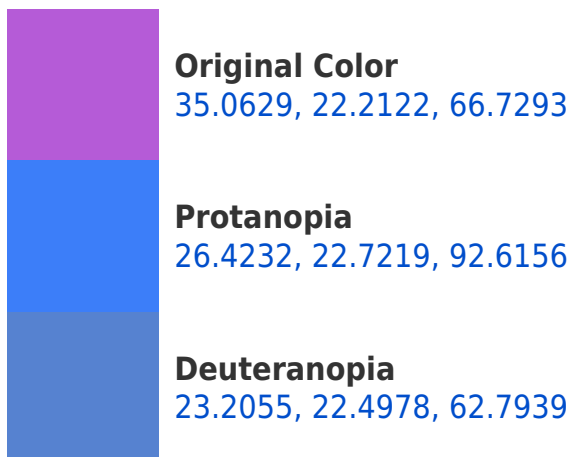


This preview shows how white text looks on a background with the XYZ color 35.0629, 22.2122,

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

26.0319, 22.2708, 21.9955

Trichromacy



Original Color

35.0629, 22.2122, 66.7293



Protanomaly

26.9001, 20.8677, 82.7308



Deuteranomaly

25.8884, 21.2589, 64.3669



Tritanomaly

28.5771, 21.8339, 34.6065

Monochromacy



Original Color

35.0629, 22.2122, 66.7293



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

25.4606, 21.8152, 37.0513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0629, 22.2122, 66.7293 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(181, 91, 215)` looks like.

```
.text, #text, p{  
    color:rgb(181, 91, 215)  
}
```

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(181, 91, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 91, 215) }
```

Border

The CSS property to change the border of an element to XYZ 35.0629, 22.2122, 66.7293 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(181, 91, 215) }
```


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

```
.border{ border-color:rgb(181, 91, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 91, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 91, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 91, 215);  
box-shadow:4px 4px 4px 4px rgb(181, 91,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0629, 22.2122, 66.7293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 91, 215) }
```

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

```
.background{ background-color: rgb(181, 91,  
215) }
```

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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