

Converting Colors

XYZ(35.7413, 22.5389, 67.4749)

Have a look what the booklet for
XYZ(35.7413, 22.5389, 67.4749)
contains.

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Color

**XYZ(35.6642, 22.5073,
67.4304)**

Conversions

Conversions Part 1

Format	Color
Hex	B75BD8
RGB	183, 91, 216
RGB Percent	72%, 36%, 85%
CMY	0.2823, 0.6431, 0.1529
CMYK	0.15, 0.58, 0.00, 0.15
HSL	284°, 62%, 60%
HSV	284°, 58%, 85%
XYZ	35.6642, 22.5073, 67.4304
YIQ	132.7580, 14.7070, 58.3790

Conversions

Conversions Part 2

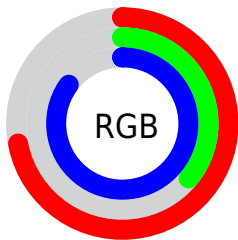
Format	Color
RYB	183, 91, 216
Decimal	12016600
CIELab	54.56, 56.49, -48.82
CIELCh	55, 74.663, 319.168
Yxy	22.5073, 0.2839, 0.1792
Android (android.graphics.Color)	4290206680 (0xFFB75BD8)
YUV	132.7580, 41.0383, 44.0622
Hunter-Lab	47.4419, 51.1633, -51.0612

Details

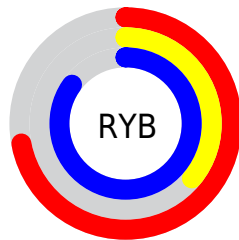
The XYZ color **35.6642, 22.5073, 67.4304** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **34.7570, 54.1527, 18.5190**, and the grayscale version is **22.0592, 23.2080, 25.2736**.

A 20% lighter version of the original color is **64.4510, 46.1716, 100.1228**, and **15.7284, 8.3118, 34.0331** is the 20% darker color. If you saturate the color by 10%, you get **32.7476, 18.6463, 66.8392**, and if you desaturate by 10%, it is **39.1688, 27.4610, 68.2022**.

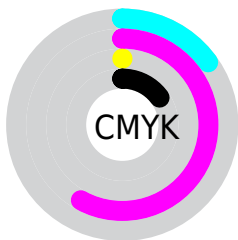
Distribution



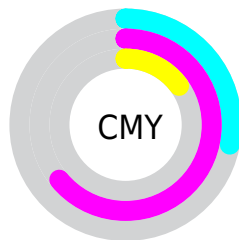
- Red (72%)
- Green (36%)
- Blue (85%)



- Red (72%)
- Yellow (36%)
- Blue (85%)



- Cyan (15%)
- Magenta (58%)
- Yellow (0%)
- Black (15%)





- Cyan (28%)
- Magenta (64%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6642, 22.5073, 67.4304 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 35.6642, 22.5073, 67.4304 by changing the saturation by 10% instead.

 35.6642, 22.5073,
67.4304

 35.6642, 22.5073,
67.4304


318.9473,
265.1842, 470.0184


 24.3439, 14.2301,
48.9707


 67.8407, 47.5830,
117.1834


 15.7150, 8.2809,
34.2308


 89.4276, 65.1504,
149.3138

 9.4123, 4.2752,
22.7922


 115.1674, 86.5833,
186.8381

 5.0703, 1.8287,
14.2363

 145.4255,
112.2660, 230.1750

 2.3238, 0.5049,
8.1445

180.5671,
142.5831, 279.7429

 0.8068, 0.0000,
4.0985

220.9578,

 0.0000, 0.0000,

177.9189, 335.9604

1.6795

266.9627,
218.6578, 399.2461

■ 0.0000, 0.0000,
0.3466

■ 0.0000, 0.0000,
0.0000

■ 35.6642, 22.5073,
67.4304

■ 35.6642, 22.5073,
67.4304

■ 32.7476, 18.6463,
66.8392

■ 39.1688, 27.4610,
68.2022

■ 30.3687, 15.7810,
66.4116


■ 43.3007, 33.5877,
69.1670


■ 28.4726, 13.8014,
66.1294


■ 48.0988, 40.9634,
70.3378


■ 26.9805, 12.5513,
65.9667


■ 53.5980, 49.6568,
71.7259


 26.6884, 12.3266,
65.9388

 59.8304, 59.7314,
73.3420

 66.8262, 71.2467,
75.1960

 74.6138, 84.2586,
77.2971

 80.3468, 93.0735,
78.6964

 82.1925, 94.0250,
78.7828

Harmonies

Analogous

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



26.9935, 22.5073, 96.6056



35.6642, 22.5073, 67.4304



40.8974, 22.5073, 34.0020

Triad

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



35.6642, 22.5073, 67.4304



24.4921, 22.5073, 1.5359



9.6951, 22.5073, 42.5069

Complementary

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



35.6642, 22.5073, 67.4304



34.7570, 54.1527, 18.5190

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.



9.3496, 22.5073, 16.9674



35.6642, 22.5073, 67.4304



16.6254, 22.5073, 1.8196

Square

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



35.6642, 22.5073, 67.4304



33.4356, 22.5073, 3.7663



11.5491, 22.5073, 5.2597



12.6563, 22.5073, 76.9525

Rectangle

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



35.6642, 22.5073, 67.4304



41.0199, 22.5073, 17.9978



11.5491, 22.5073, 5.2597



9.3039, 22.5073, 32.4213

Sweetspot

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



35.6651, 22.5082, 67.4309



78.6604, 73.2859, 104.6075



23.9593, 21.6819, 67.8884



16.4675, 15.0963, 22.2959



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.



35.6651, 22.5082, 67.4309



47.0170, 26.3090, 97.2078



41.0124, 25.6626, 49.7127



12.6183, 12.4601, 15.6775



15.9033, 7.3509, 39.0338



1.0352, 0.4826, 2.3579

Inverse Universe

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



35.6987, 23.5371, 21.7310



47.7733, 28.3527, 22.5245



32.2712, 52.6965, 26.2939



12.5565, 12.4741, 13.6049



17.2376, 8.8313, 3.2892



1.0740, 0.5464, 0.3791

Previews

White Background



This preview shows how the XYZ color 35.6642, 22.5073, 67.4304 looks on a white background.

Color Contrast Check

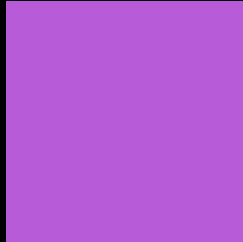
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6642, 22.5073, 67.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

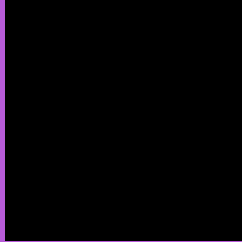
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6642, 22.5073, 67.4304

Background



This preview shows how black text looks on a background with the XYZ color 35.6642, 22.5073, 67.4304.

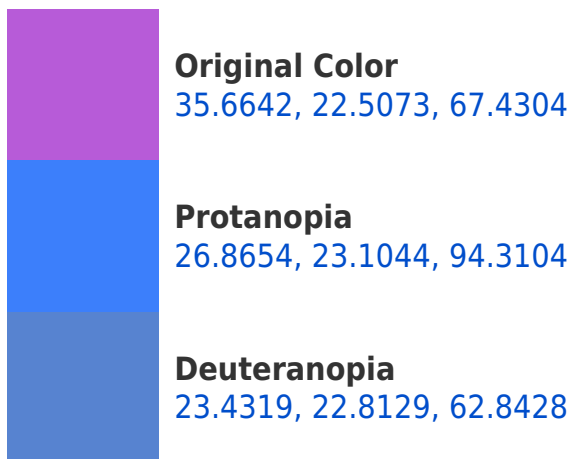


This preview shows how white text looks on a background with the XYZ color 35.6642, 22.5073,

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

26.5246, 22.5175, 22.3503

Trichromacy



Original Color

35.6642, 22.5073, 67.4304



Protanomaly

27.2756, 21.2109, 83.5455



Deuteranomaly

26.0293, 21.3315, 64.3735



Tritanomaly

29.1084, 22.0980, 35.0789

Monochromacy



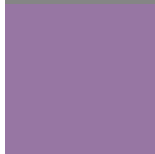
Original Color

35.6642, 22.5073, 67.4304



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

25.8518, 22.1805, 37.5691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6642, 22.5073, 67.4304 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(183, 91, 216)` looks like.

```
.text, #text, p{  
    color:rgb(183, 91, 216)  
}
```

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(183, 91, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 91, 216) }
```

Border

The CSS property to change the border of an element to XYZ 35.6642, 22.5073, 67.4304 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(183, 91, 216) }
```


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

```
.border{ border-color:rgb(183, 91, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 91, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 91, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 91, 216);  
box-shadow:4px 4px 4px 4px rgb(183, 91,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6642, 22.5073, 67.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 91, 216) }
```

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

```
.background{ background-color: rgb(183, 91,  
216) }
```

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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