

Converting Colors

XYZ(32.6284, 16.5472, 65.5870)

Have a look what the booklet for
XYZ(32.6284, 16.5472, 65.5870)
contains.

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Color

**XYZ(32.5530, 16.4912,
65.7574)**

Conversions

Conversions Part 1

Format	Color
Hex	B728D7
RGB	183, 40, 215
RGB Percent	72%, 16%, 84%
CMY	0.2823, 0.8431, 0.1569
CMYK	0.15, 0.81, 0.00, 0.16
HSL	289°, 69%, 50%
HSV	289°, 81%, 84%
XYZ	32.5530, 16.4912, 65.7574
YIQ	102.7070, 29.0530, 84.7410

Conversions

Conversions Part 2

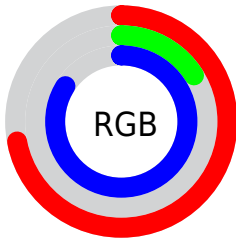
Format	Color
R_{YB}	183, 40, 215
Decimal	12003543
CIE _{Lab}	47.61, 75.64, -59.38
CIE _{LCh}	48, 96.159, 321.867
Yxy	16.4912, 0.2836, 0.1436
Android (android.graphics.Color)	4290193623 (0xFFB728D7)
YUV	102.7070, 55.3604, 70.4170
Hunter-Lab	40.6094, 72.0216, -67.5798

Details

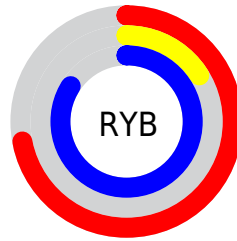
The XYZ color **32.5530, 16.4912, 65.7574** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **27.3565, 50.1323, 10.2427**, and the grayscale version is **12.6695, 13.3294, 14.5157**.

A 20% lighter version of the original color is **59.9625, 36.1753, 98.4299**, and **14.7155, 6.8632, 33.3500** is the 20% darker color. If you saturate the color by 10%, you get **31.0972, 14.9477, 65.5365**, and if you desaturate by 10%, it is **34.4390, 18.8546, 66.1144**.

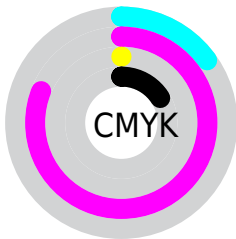
Distribution



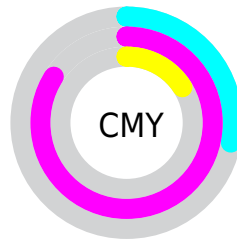
- Red (72%)
- Green (16%)
- Blue (84%)



- Red (72%)
- Yellow (16%)
- Blue (84%)



- Cyan (15%)
- Magenta (81%)
- Yellow (0%)
- Black (16%)





- Cyan (28%)
- Magenta (84%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5530, 16.4912, 65.7574 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 32.5530, 16.4912, 65.7574 by changing the saturation by 10% instead.

 32.5530, 16.4912,
65.7574


 32.5530, 16.4912,
65.7574


305.3314,
232.2230, 463.8893

 21.9418, 9.8724,
47.6203

 63.0364, 37.4489,
114.7617

 13.9305, 5.3144,
33.1684


 83.6393, 52.5565,
146.4660


 8.1537, 2.4329,
21.9833


 108.3035, 71.2626,
183.5298

 4.2461, 0.8427,
13.6464

 137.3944, 93.9515,
226.3715

 1.8423, 0.0000,
7.7392

 171.2772,
121.0076, 275.4098

 0.5430, 0.0000,
3.8432

 210.3175,

 0.0000, 0.0000,

152.8153, 331.0631

1.5397

254.8804,
189.7589, 393.7501

■ 0.0000, 0.0000,
0.2473

■ 0.0000, 0.0000,
0.0000

■ 32.5530, 16.4912,
65.7574

■ 32.5530, 16.4912,
65.7574

■ 31.0972, 14.9477,
65.5365

■ 34.4390, 18.8546,
66.1144

■ 30.0995, 14.0999,
65.4254

■ 36.8114, 22.1527,
66.6260

■ 39.7203, 26.4842,
67.3088

■ 43.2085, 31.9346,
68.1769

■ 47.3143, 38.5804,
69.2433

■ 52.0729, 46.4913,
70.5195

■ 57.5164, 55.7316,
72.0161

■ 63.6750, 66.3612,
73.7432

■ 70.5770, 78.4364,
75.7102

Harmonies

Analogous

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



22.6536, 16.4912, 107.1234



32.5530, 16.4912, 65.7574



38.3230, 16.4912, 25.5009

Triad

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



32.5530, 16.4912, 65.7574



18.1251, 16.4912, 0.0000



4.8106, 16.4912, 41.9158

Complementary

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



32.5530, 16.4912, 65.7574



27.3565, 50.1323, 10.2427

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.



4.3610, 16.4912, 12.0689



32.5530, 16.4912, 65.7574



10.2997, 16.4912, 0.0000

Square

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



32.5530, 16.4912, 65.7574



28.2218, 16.4912, 0.4512



5.9521, 16.4912, 1.7321



7.5374, 16.4912, 86.6136

Rectangle

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



32.5530, 16.4912, 65.7574



37.9853, 16.4912, 9.8899



5.9521, 16.4912, 1.7321



4.4410, 16.4912, 29.5243

Sweetspot

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



32.5537, 16.4919, 65.7578



74.5394, 64.9136, 103.2087



15.4642, 10.0038, 65.4062



15.4127, 12.9927, 21.9455



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.



32.5537, 16.4919, 65.7578



44.4861, 20.9305, 96.3031



35.0925, 18.4888, 34.7871



12.7200, 12.5126, 15.6823



18.0859, 8.4761, 39.1360



1.1501, 0.5418, 2.3633

Inverse Universe

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



29.9533, 16.4331, 7.7249



41.8884, 21.6079, 5.0713



27.2607, 49.8863, 19.1194



12.5151, 12.4575, 13.3866



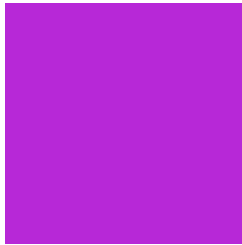
17.0124, 8.7413, 2.1036



1.0544, 0.5386, 0.2760

Previews

White Background



This preview shows how the XYZ color 32.5530, 16.4912, 65.7574 looks on a white background.

Color Contrast Check

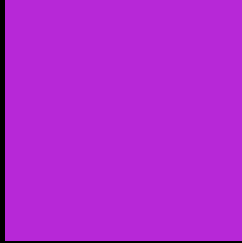
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.5530, 16.4912, 65.7574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

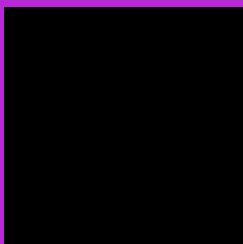
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.5530, 16.4912, 65.7574

Background



This preview shows how black text looks on a background with the XYZ color 32.5530, 16.4912, 65.7574.



This preview shows how white text looks on a background with the XYZ color 32.5530, 16.4912,

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

32.5530, 16.4912, 65.7574

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

17.2636, 16.7554, 58.8241



Tritanopia

21.7502, 16.3909, 13.3267

Trichromacy



Original Color

32.5530, 16.4912, 65.7574



Protanomaly

19.2907, 13.1813, 73.4790



Deuteranomaly

18.1455, 13.2338, 60.6295



Tritanomaly

24.2846, 15.4124, 26.5059

Monochromacy



Original Color

32.5530, 16.4912, 65.7574



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

17.4184, 12.6565, 27.9104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5530, 16.4912, 65.7574 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, 40, 215)` looks like.

```
.text, #text, p{  
    color:rgb(183, 40, 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(183, 40, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 40, 215) }
```

Border

The CSS property to change the border of an element to XYZ 32.5530, 16.4912, 65.7574 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, 40, 215) }
```


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

```
.border{ border-color:rgb(183, 40, 215) }
```

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

Here you see how a box with a 4 pixel rgb(183, 40, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 40, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 40, 215);  
box-shadow:4px 4px 4px 4px rgb(183, 40,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5530, 16.4912, 65.7574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 40, 215) }
```

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

```
.background{ background-color: rgb(183, 40,  
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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