

Converting Colors

XYZ(32.7794, 30.1052, 66.1393)

Have a look what the booklet for
XYZ(32.7794, 30.1052, 66.1393)
contains.

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Color

**XYZ(32.8615, 30.1492,
66.3747)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8FD4
RGB	142, 143, 212
RGB Percent	56%, 56%, 83%
CMY	0.4431, 0.4392, 0.1686
CMYK	0.33, 0.33, 0.00, 0.17
HSL	239°, 45%, 69%
HSV	239°, 33%, 83%
XYZ	32.8615, 30.1492, 66.3747
YIQ	150.5670, -22.7450, 21.2470

Conversions

Conversions Part 2

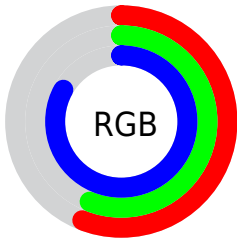
Format	Color
RYB	142, 143, 212
Decimal	9342932
CIELab	61.78, 15.66, -35.47
CIELCh	62, 38.775, 293.818
Yxy	30.1492, 0.2540, 0.2330
Android (android.graphics.Color)	4287533012 (0xFF8E8FD4)
YUV	150.5670, 30.2865, -7.5133
Hunter-Lab	54.9083, 10.7391, -33.2356

Details

The XYZ color **32.8615, 30.1492, 66.3747** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.3289, 62.5395, 34.7477**, and the grayscale version is **29.1134, 30.6295, 33.3556**.

A 20% lighter version of the original color is **61.0422, 59.0228, 102.7830**, and **14.1200, 12.3869, 33.5450** is the 20% darker color. If you saturate the color by 10%, you get **26.7139, 22.7492, 65.2709**, and if you desaturate by 10%, it is **40.2873, 39.0767, 67.7070**.

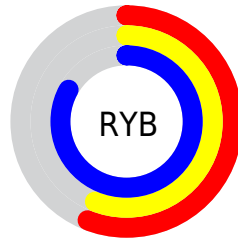
Distribution



Red (56%)

Green (56%)

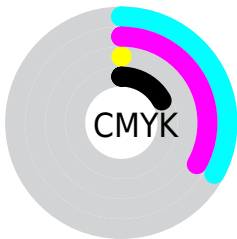
Blue (83%)



Red (56%)

Yellow (56%)

Blue (83%)

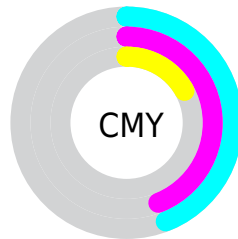


Cyan (33%)

Magenta (33%)

Yellow (0%)

Black (17%)



Cyan (44%)

Magenta (44%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8615, 30.1492, 66.3747 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 32.8615, 30.1492, 66.3747 by changing the saturation by 10% instead.

■ 32.8615, 30.1492,
66.3747

■ 32.8615, 30.1492,
66.3747

306.7012,
302.5993, 466.1565

■ 22.1791, 19.9519,
48.1182

■ 63.5154, 59.8980,
115.6561

■ 14.1059, 12.3601,
33.5599

■ 84.2175, 80.2184,
147.5181

■ 8.2765, 6.9894,
22.2811

■ 108.9903,
104.6818, 184.7524

■ 4.3257, 3.4555,
13.8633

138.1991,
133.6727, 227.7774

■ 1.8880, 1.3739,
7.8880

172.2092,
167.5755, 277.0118

■ 0.5698, 0.1974,
3.9366

211.3861,

■ 0.0000, 0.0000,

206.7746, 332.8741

1.5906

256.0949,
251.6544, 395.7828

■ 0.0000, 0.0000,
0.2841

■ 0.0000, 0.0000,
0.0000

■ 32.8615, 30.1492,
66.3747

■ 32.8615, 30.1492,
66.3747

■ 26.7139, 22.7492,
65.2709

■ 40.2873, 39.0767,
67.7070

■ 21.7694, 16.7881,
64.3809

■ 49.0544, 49.6071,
69.2775

■ 17.9502, 12.1732,
63.6914

■ 59.2254, 61.8145,
71.0977

■ 15.1680, 8.7999,
63.1870

■ 70.8582, 75.7679,
73.1779

■ 13.3211, 6.5481,
62.8497

■ 84.0072, 91.5321,
75.5277

■ 12.2877, 5.2738,
62.6582

■ 88.8838, 97.5335,
76.4290

■ 11.9166, 4.8192,
62.5900

Harmonies

Analogous

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



27.5985, 30.1492, 70.0537



32.8615, 30.1492, 66.3747



37.4534, 30.1492, 52.6699

Triad

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



32.8615, 30.1492, 66.3747



34.9353, 30.1492, 14.7906



19.8642, 30.1492, 29.8556

Complementary

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



32.8615, 30.1492, 66.3747



55.3289, 62.5395, 34.7477

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.



21.3567, 30.1492, 18.7234



32.8615, 30.1492, 66.3747



29.7399, 30.1492, 11.8761

Square

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



32.8615, 30.1492, 66.3747



38.7479, 30.1492, 22.6187



24.8254, 30.1492, 13.0607



20.4886, 30.1492, 45.7213

Rectangle

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



32.8615, 30.1492, 66.3747



39.3044, 30.1492, 41.4194



24.8254, 30.1492, 13.0607



20.1286, 30.1492, 25.5141

Sweetspot

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



32.8626, 30.1504, 66.3754



78.7819, 80.4784, 105.9894



46.4367, 57.5333, 70.1766



16.4115, 16.6842, 22.6053



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.



32.8626, 30.1504, 66.3754



42.8179, 37.2544, 99.5418



39.4246, 33.3115, 66.6397



11.7567, 12.0368, 15.6412



7.3629, 2.9875, 38.6417



0.4492, 0.1904, 2.3324

Inverse Universe

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



41.7832, 35.3274, 30.6044



58.5021, 46.3908, 36.6424



46.8252, 58.5254, 34.4211



12.4304, 12.4237, 12.9407



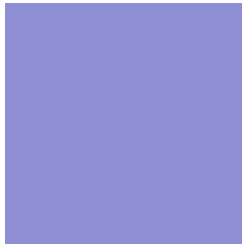
16.7753, 8.6464, 0.8548



1.0144, 0.5225, 0.0652

Previews

White Background



This preview shows how the XYZ color 32.8615, 30.1492, 66.3747 looks on a white background.

Color Contrast Check

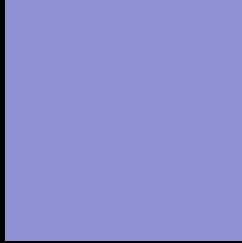
Large Text (above 18pt) WCAG AA × Fail

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 32.8615, 30.1492, 66.3747 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 32.8615, 30.1492, 66.3747

Background



This preview shows how black text looks on a background with the XYZ color 32.8615, 30.1492, 66.3747.



This preview shows how white text looks on a background with the XYZ color 32.8615, 30.1492,

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

32.8615, 30.1492, 66.3747

Protanopia

31.4519, 30.2858, 68.4780

Deuteranopia

31.1002, 30.3950, 65.8557



Tritanopia

27.5355, 30.0786, 39.9518

Trichromacy



Original Color

32.8615, 30.1492, 66.3747

Protanomaly

31.9322, 30.3183, 67.7873

Deuteranomaly

31.5525, 30.1665, 65.7877

Tritanomaly

29.3443, 30.1065, 48.5205

Monochromacy



Original Color

32.8615, 30.1492, 66.3747

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.3455, 30.4928, 43.8215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8615, 30.1492, 66.3747 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(142, 143, 212)` looks like.

```
.text, #text, p{  
    color:rgb(142, 143, 212)  
}
```

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(142, 143, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 143, 212) }
```

Border

The CSS property to change the border of an element to XYZ 32.8615, 30.1492, 66.3747 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(142, 143, 212) }
```


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

```
.border{ border-color:rgb(142, 143, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 143, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 143, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 143, 212);  
box-shadow:4px 4px 4px 4px rgb(142, 143,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8615, 30.1492, 66.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 143, 212) }
```

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

```
.background{ background-color: rgb(142,  
143, 212) }
```

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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