

Converting Colors

XYZ(33.2886, 24.3779, 69.1349)

Have a look what the booklet for
XYZ(33.2886, 24.3779, 69.1349)
contains.

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Color

**XYZ(33.3494, 24.3317,
69.2684)**

Conversions

Conversions Part 1

Format	Color
Hex	A270DA
RGB	162, 112, 218
RGB Percent	64%, 44%, 85%
CMY	0.3647, 0.5608, 0.1451
CMYK	0.26, 0.49, 0.00, 0.15
HSL	268°, 59%, 65%
HSV	268°, 49%, 85%
XYZ	33.3494, 24.3317, 69.2684
YIQ	139.0340, -4.2260, 43.5660

Conversions

Conversions Part 2

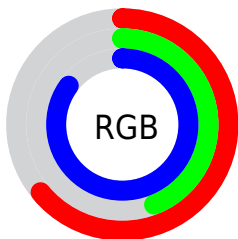
Format	Color
RYB	162, 112, 218
Decimal	10645722
CIELab	56.42, 40.51, -47.15
CIELCh	56, 62.163, 310.667
Yxy	24.3317, 0.2627, 0.1917
Android (android.graphics.Color)	4288835802 (0xFFA270DA)
YUV	139.0340, 38.9302, 20.1412
Hunter-Lab	49.3272, 34.3588, -48.7298

Details

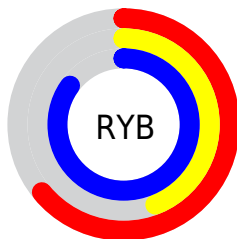
The XYZ color **33.3494, 24.3317, 69.2684** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **44.1449, 59.6379, 24.5146**, and the grayscale version is **24.4106, 25.6819, 27.9676**.

A 20% lighter version of the original color is **60.7186, 49.1903, 100.9022**, and **14.3076, 9.1797, 35.2002** is the 20% darker color. If you saturate the color by 10%, you get **28.9956, 18.9388, 68.4574**, and if you desaturate by 10%, it is **38.5016, 31.0013, 70.2847**.

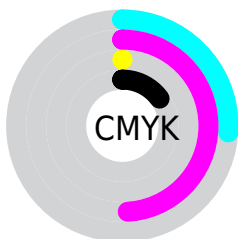
Distribution



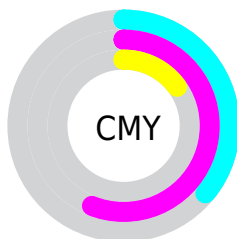
- Red (64%)
- Green (44%)
- Blue (85%)



- Red (64%)
- Yellow (44%)
- Blue (85%)



- Cyan (26%)
- Magenta (49%)
- Yellow (0%)
- Black (15%)





- Cyan (36%)
- Magenta (56%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3494, 24.3317, 69.2684 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 33.3494, 24.3317, 69.2684 by changing the saturation by 10% instead.

 33.3494, 24.3317,
69.2684


 33.3494, 24.3317,
69.2684


308.8584,
274.4932, 476.6966


 22.5548, 15.5799,
50.4572

 64.2717, 50.5709,
119.8362

 14.3840, 9.2273,
35.4031


 85.1300, 68.8271,
152.4298

 8.4717, 4.8898,
23.6875


 110.0737, 91.0202,
190.4547

 4.4526, 2.1827,
14.8919

 139.4679,
117.5347, 234.3294

 1.9612, 0.7106,
8.5978

173.6782,
148.7548, 284.4723

 0.6120, 0.0000,
4.3866

213.0698,

 0.0000, 0.0000,

185.0649, 341.3022

1.8397

258.0081,
226.8496, 405.2374

■ 0.0000, 0.0000,
0.4540

■ 0.0000, 0.0000,
0.0000

■ 33.3494, 24.3317,
69.2684

■ 33.3494, 24.3317,
69.2684

■ 28.9956, 18.9388,
68.4574

■ 38.5016, 31.0013,
70.2847

■ 25.3889, 14.7315,
67.8354

■ 44.4933, 39.0247,
71.5175

■ 22.4756, 11.6103,
67.3865

■ 51.3660, 48.4758,
72.9795

■ 20.1923, 9.4575,
67.0913

■ 59.1573, 59.4224,
74.6818

18.4453, 8.0954,
66.9204

67.9025, 71.9278,
76.6347

18.2293, 7.9357,
66.9010

77.6351, 86.0516,
78.8479

85.2462, 95.5692,
80.2838

89.3382, 97.6787,
80.4753

89.6550, 97.8420,
80.4901

Harmonies

Analogous

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



25.7795, 24.3317, 87.5076



33.3494, 24.3317, 69.2684



38.7676, 24.3317, 41.8707

Triad

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



33.3494, 24.3317, 69.2684



28.0088, 24.3317, 3.9489



12.0325, 24.3317, 34.5133

Complementary

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



33.3494, 24.3317, 69.2684



44.1449, 59.6379, 24.5146

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.



12.3855, 24.3317, 15.4337



33.3494, 24.3317, 69.2684



20.6622, 24.3317, 3.5296

Square

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



33.3494, 24.3317, 69.2684



35.2694, 24.3317, 8.1682



15.2407, 24.3317, 6.3866



14.1498, 24.3317, 61.5502

Rectangle

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



33.3494, 24.3317, 69.2684



39.8761, 24.3317, 26.0351



15.2407, 24.3317, 6.3866



11.8794, 24.3317, 26.9565

Sweetspot

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



33.3503, 24.3326, 69.2690



76.9911, 74.3439, 104.8997



33.4390, 36.7101, 71.6534



15.9890, 15.2275, 22.3464



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.



33.3503, 24.3326, 69.2690



41.4191, 27.0876, 97.6532



46.3176, 31.0175, 69.8758



12.9199, 12.9168, 16.4644



11.0434, 4.8173, 40.0862



0.8144, 0.3631, 2.6016

Inverse Universe

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



41.7760, 29.3216, 40.5038



55.2898, 35.3089, 49.9298



35.1373, 54.9943, 24.0931



13.3420, 13.1659, 15.0624



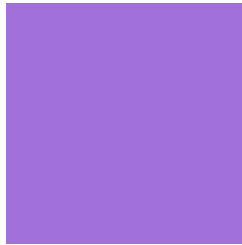
19.2367, 9.6957, 10.8926



1.2897, 0.6455, 0.9344

Previews

White Background



This preview shows how the XYZ color 33.3494, 24.3317, 69.2684 looks on a white background.

Color Contrast Check

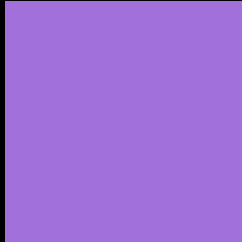
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3494, 24.3317, 69.2684 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 33.3494, 24.3317, 69.2684

Background



This preview shows how black text looks on a background with the XYZ color 33.3494, 24.3317, 69.2684.



This preview shows how white text looks on a background with the XYZ color 33.3494, 24.3317,

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

33.3494, 24.3317, 69.2684

Protanopia

27.5618, 24.6917, 83.4341

Deuteranopia

25.1884, 24.4592, 66.3443



Tritanopia

25.0031, 24.1843, 28.5495

Trichromacy



Original Color

33.3494, 24.3317, 69.2684



Protanomaly

28.6868, 24.0252, 77.9883



Deuteranomaly

27.3263, 23.9366, 67.4699



Tritanomaly

27.3813, 23.8028, 40.6874

Monochromacy



Original Color

33.3494, 24.3317, 69.2684



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

26.9508, 24.7307, 40.3988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3494, 24.3317, 69.2684 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(162, 112, 218)` looks like.

```
.text, #text, p{  
    color:rgb(162, 112, 218)  
}
```

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(162, 112, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 112, 218) }
```

Border

The CSS property to change the border of an element to XYZ 33.3494, 24.3317, 69.2684 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(162, 112, 218) }
```


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

```
.border{ border-color:rgb(162, 112, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 112, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 112, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 112, 218);  
box-shadow:4px 4px 4px 4px rgb(162, 112,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3494, 24.3317, 69.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 112, 218) }
```

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

```
.background{ background-color: rgb(162,  
112, 218) }
```

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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