

Converting Colors

XYZ(31.9672, 24.0614, 32.0030)

Have a look what the booklet for
XYZ(31.9672, 24.0614, 32.0030)
contains.

XYZ(32.0672, 24.1727, 31.8298)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.0672, 24.1727,
31.8298)**

Conversions

Conversions Part 1

Format	Color
Hex	BD6E96
RGB	189, 110, 150
RGB Percent	74%, 43%, 59%
CMY	0.2588, 0.5686, 0.4118
CMYK	0.00, 0.42, 0.21, 0.26
HSL	330°, 37%, 59%
HSV	330°, 42%, 74%
XYZ	32.0672, 24.1727, 31.8298
YIQ	138.1810, 34.2440, 29.1880

Conversions

Conversions Part 2

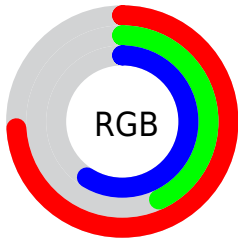
Format	Color
R_{YB}	189, 110, 150
Decimal	12414614
CIE _{Lab}	56.26, 36.61, -8.15
CIE _{LCh}	56, 37.508, 347.452
Yxy	24.1727, 0.3641, 0.2745
Android (android.graphics.Color)	4290604694 (0xFFBD6E96)
YUV	138.1810, 5.8268, 44.5683
Hunter-Lab	49.1657, 30.3824, -3.9682

Details

The XYZ color **32.0672, 24.1727, 31.8298** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **30.0539, 41.8808, 34.9356**, and the grayscale version is **24.1965, 25.4566, 27.7223**.

A 20% lighter version of the original color is **62.3540, 50.3282, 63.5546**, and **13.6995, 9.2009, 12.8583** is the 20% darker color. If you saturate the color by 10%, you get **29.5196, 20.2323, 27.4200**, and if you desaturate by 10%, it is **35.1109, 29.0091, 36.7007**.

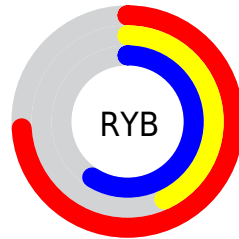
Distribution



Red (74%)

Green (43%)

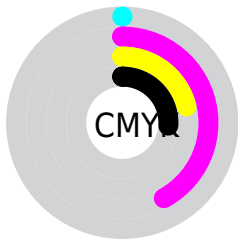
Blue (59%)



Red (74%)

Yellow (43%)

Blue (59%)

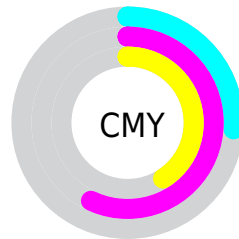


Cyan (0%)

Magenta (42%)

Yellow (21%)

Black (26%)



Cyan (26%)


Magenta (57%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0672, 24.1727, 31.8298 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 32.0672, 24.1727, 31.8298 by changing the saturation by 10% instead.


 32.0672, 24.1727,
31.8298


 32.0672, 24.1727,
31.8298


303.1651,
273.6924, 324.8120


 21.5686, 15.4618,
20.9678


 62.2809, 50.3119,
63.6390


 13.6551, 9.1441,
12.9094


 82.7267, 68.5089,
85.4232

 7.9613, 4.8353,
7.2362


 107.2191, 90.6368,
111.6853

 4.1218, 2.1510,
3.5296

 136.1232,
117.0799, 142.8437

 1.7713, 0.6931,
1.3710

169.8045,
148.2226, 179.3171

 0.5003, 0.0000,
0.1189

208.6284,

 0.0000, 0.0000,

184.4493, 221.5239

0.0000

252.9601,
226.1445, 269.8827

■ 32.0672, 24.1727,
31.8298

■ 32.0672, 24.1727,
31.8298

■ 29.5196, 20.2323,
27.4200

■ 35.1109, 29.0091,
36.7007

■ 27.4367, 17.1280,
23.4533

■ 38.6755, 34.7895,
42.0468

■ 25.7868, 14.7983,
19.9122


■ 42.7863, 41.5625,
47.8832


■ 24.5325, 13.1712,
16.7769


■ 47.4666, 49.3723,
54.2239


■ 23.6300, 12.1612,
14.0252


■ 52.7381, 58.2606,
61.0822

 23.0835, 11.6577,
12.0255

 58.6213, 68.2666,
68.4707

 65.1360, 79.4276,
76.4017

 70.2889, 87.7559,
84.2165

 71.5946, 88.2782,
91.0918

Harmonies

Analogous

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



29.6489, 24.1727, 45.8891



32.0672, 24.1727, 31.8298



31.8382, 24.1727, 19.8151

Triad

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



32.0672, 24.1727, 31.8298



20.5750, 24.1727, 9.5320



17.8073, 24.1727, 48.0040

Complementary

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



32.0672, 24.1727, 31.8298



30.0539, 41.8808, 34.9356

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.



15.9320, 24.1727, 34.1122



32.0672, 24.1727, 31.8298



17.3869, 24.1727, 13.2957

Square

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



32.0672, 24.1727, 31.8298



24.8264, 24.1727, 9.2671



15.7884, 24.1727, 21.4857



21.2188, 24.1727, 57.0105

Rectangle

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



32.0672, 24.1727, 31.8298



30.2148, 24.1727, 14.3495



15.7884, 24.1727, 21.4857



16.9959, 24.1727, 43.5831

Sweetspot

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



32.0679, 24.1738, 31.8303



75.5299, 72.6150, 84.2289



27.0083, 21.1404, 50.8013



15.8803, 15.0170, 17.6052



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.0679, 24.1738, 31.8303



53.2859, 36.8703, 49.8600



29.4498, 23.1266, 18.0437



9.7263, 9.6148, 10.9475



15.5699, 7.8591, 8.2948



0.6429, 0.3210, 0.4987

Inverse Universe

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



32.0679, 24.1738, 31.8303



53.2859, 36.8703, 49.8600



33.6718, 43.3279, 53.9869



9.7263, 9.6148, 10.9475



15.5699, 7.8591, 8.2948



0.6429, 0.3210, 0.4987

Previews

White Background



This preview shows how the XYZ color 32.0672, 24.1727, 31.8298 looks on a white background.

Color Contrast Check

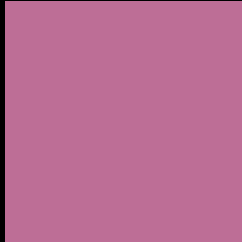
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0672, 24.1727, 31.8298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

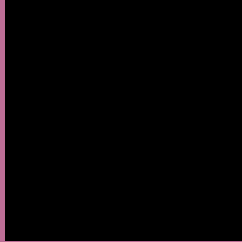
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0672, 24.1727, 31.8298

Background



This preview shows how black text looks on a background with the XYZ color 32.0672, 24.1727, 31.8298.



This preview shows how white text looks on a background with the XYZ color 32.0672, 24.1727,

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

32.0672, 24.1727, 31.8298

Protanopia

24.3101, 24.3926, 39.5033

Deuteranopia

24.6323, 24.1476, 30.5568



Tritanopia

30.0185, 24.1558, 22.1492

Trichromacy



Original Color

32.0672, 24.1727, 31.8298

Protanomaly

26.2565, 23.6893, 36.4463

Deuteranomaly

26.8466, 23.7461, 30.7722

Tritanomaly

30.6323, 24.0685, 25.2215

Monochromacy



Original Color

32.0672, 24.1727, 31.8298

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.5063, 24.5594, 28.9346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0672, 24.1727, 31.8298 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(189, 110, 150)` looks like.

```
.text, #text, p{  
    color:rgb(189, 110, 150)  
}
```

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(189, 110, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 110, 150) }
```

Border

The CSS property to change the border of an element to XYZ 32.0672, 24.1727, 31.8298 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(189, 110, 150) }
```


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

```
.border{ border-color:rgb(189, 110, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 110, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 110, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 110, 150);  
box-shadow:4px 4px 4px 4px rgb(189, 110,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0672, 24.1727, 31.8298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 110, 150) }
```

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

```
.background{ background-color: rgb(189,  
110, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor