

Converting Colors

XYZ(33.9397, 24.7286, 30.6426)

Have a look what the booklet for
XYZ(33.9397, 24.7286, 30.6426)
contains.

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Color

**XYZ(33.8129, 24.6277,
30.5753)**

Conversions

Conversions Part 1

Format	Color
Hex	C66B93
RGB	198, 107, 147
RGB Percent	78%, 42%, 58%
CMY	0.2235, 0.5804, 0.4235
CMYK	0.00, 0.46, 0.26, 0.22
HSL	334°, 44%, 60%
HSV	334°, 46%, 78%
XYZ	33.8129, 24.6277, 30.5753
YIQ	138.7690, 41.3960, 31.7320

Conversions

Conversions Part 2

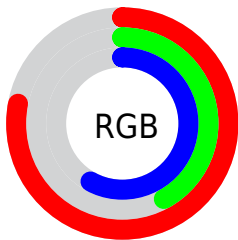
Format	Color
R _Y B	198, 107, 147
Decimal	13003667
CIE Lab	56.71, 40.87, -5.60
CIE LCh	57, 41.257, 352.192
Yxy	24.6277, 0.3799, 0.2767
Android (android.graphics.Color)	4291193747 (0xFFC66B93)
YUV	138.7690, 4.0579, 51.9456
Hunter-Lab	49.6263, 34.7750, -1.7908

Details

The XYZ color **33.8129, 24.6277, 30.5753** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **32.4302, 45.9833, 39.5164**, and the grayscale version is **24.4262, 25.6983, 27.9854**.

A 20% lighter version of the original color is **64.3534, 50.6187, 61.6369**, and **14.6808, 9.4237, 12.1115** is the 20% darker color. If you saturate the color by 10%, you get **31.1508, 20.6303, 25.5969**, and if you desaturate by 10%, it is **37.0331, 29.6063, 36.1547**.

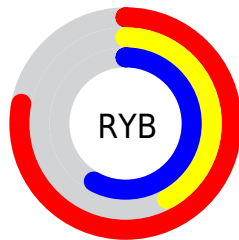
Distribution



Red (78%)

Green (42%)

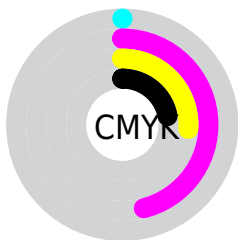
Blue (58%)



Red (78%)

Yellow (42%)

Blue (58%)

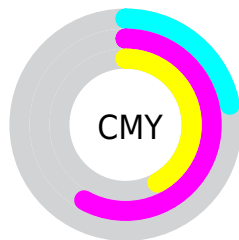


Cyan (0%)

Magenta (46%)

Yellow (26%)

Black (22%)



Cyan (22%)


Magenta (58%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8129, 24.6277, 30.5753 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 33.8129, 24.6277, 30.5753 by changing the saturation by 10% instead.

 33.8129, 24.6277,
30.5753


 33.8129, 24.6277,
30.5753


310.8976,
275.9788, 318.8673

 22.9121, 15.7999,
20.0199


 64.9888, 51.0526,
61.6425


 14.6490, 9.3827,
12.2253


 85.9947, 69.4185,
82.9914

 8.6581, 4.9916,
6.7729


 111.0996, 91.7325,
108.7753

 4.5742, 2.2423,
3.2442

 140.6689,
118.3791, 139.4126

 2.0318, 0.7429,
1.2206

175.0680,
149.7426, 175.3219

 0.6517, 0.0000,
0.0000

214.6623,

 0.0000, 0.0000,

186.2075, 216.9218

0.0000

259.8170,
228.1580, 264.6307

■ 33.8129, 24.6277,
30.5753

■ 33.8129, 24.6277,
30.5753

■ 31.1508, 20.6303,
25.5969

■ 37.0331, 29.6063,
36.1547

■ 29.0095, 17.5442,
21.1946

■ 40.8411, 35.6226,
42.3556

■ 27.3505, 15.2959,
17.3438


■ 45.2669, 42.7331,
49.1989


■ 26.1282, 13.7986,
14.0164


■ 50.3380, 50.9890,
56.7042

■ 25.2864, 12.9439,
11.1800


■ 56.0799, 60.4384,
64.8900

 25.0103, 12.6944,
10.1550

 62.5169, 71.1266,
73.7741

 69.6719, 83.0965,
83.3737

 74.1570, 89.5691,
92.5685

 75.8182, 90.2336,
101.3161

Harmonies

Analogous

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



31.4975, 24.6277, 46.5395



33.8129, 24.6277, 30.5753



33.0531, 24.6277, 18.0070

Triad

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



33.8129, 24.6277, 30.5753



20.0869, 24.6277, 9.0127



18.1860, 24.6277, 53.6426

Complementary

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



33.8129, 24.6277, 30.5753



32.4302, 45.9833, 39.5164

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.



15.8493, 24.6277, 38.1099



33.8129, 24.6277, 30.5753



16.8375, 24.6277, 13.6398

Square

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



33.8129, 24.6277, 30.5753



24.6864, 24.6277, 8.2085



15.3918, 24.6277, 23.3771



22.1743, 24.6277, 62.5266

Rectangle

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



33.8129, 24.6277, 30.5753



30.9467, 24.6277, 12.6749



15.3918, 24.6277, 23.3771



17.2051, 24.6277, 48.8162

Sweetspot

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



33.8136, 24.6289, 30.5758



81.6440, 78.0774, 89.3581



29.3662, 21.7671, 56.0801



17.0779, 16.0685, 18.5275



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.



33.8136, 24.6289, 30.5758



55.2179, 36.6148, 45.4365



31.6881, 24.5578, 16.9813



10.8243, 10.7131, 12.0579



16.3062, 8.2721, 6.8224



0.8084, 0.4062, 0.5140

Inverse Universe

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



33.8136, 24.6289, 30.5758



55.2179, 36.6148, 45.4365



35.4269, 45.5429, 60.3499



10.8243, 10.7131, 12.0579



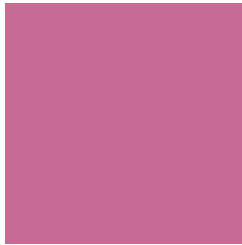
16.3062, 8.2721, 6.8224



0.8084, 0.4062, 0.5140

Previews

White Background



This preview shows how the XYZ color 33.8129, 24.6277, 30.5753 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 33.8129, 24.6277, 30.5753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

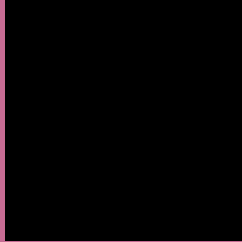
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8129, 24.6277, 30.5753

Background



This preview shows how black text looks on a background with the XYZ color 33.8129, 24.6277, 30.5753.



This preview shows how white text looks on a background with the XYZ color 33.8129, 24.6277,

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

33.8129, 24.6277, 30.5753

Protanopia

24.6614, 24.7904, 39.0825

Deuteranopia

25.2418, 24.6887, 29.4216



Tritanopia

31.6900, 24.5465, 20.8370

Trichromacy



Original Color

33.8129, 24.6277, 30.5753

Protanomaly

27.0227, 24.1044, 35.5761

Deuteranomaly

27.8429, 24.2865, 29.6058

Tritanomaly

32.3701, 24.4993, 24.1418

Monochromacy



Original Color

33.8129, 24.6277, 30.5753

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.9691, 24.6053, 28.9191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8129, 24.6277, 30.5753 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(198, 107, 147)` looks like.

```
.text, #text, p{  
    color:rgb(198, 107, 147)  
}
```

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(198, 107, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 107, 147) }
```

Border

The CSS property to change the border of an element to XYZ 33.8129, 24.6277, 30.5753 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(198, 107, 147) }
```


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

```
.border{ border-color:rgb(198, 107, 147) }
```

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

Here you see how a box with a 4 pixel rgb(198, 107, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 107, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 107, 147);  
box-shadow:4px 4px 4px 4px rgb(198, 107,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8129, 24.6277, 30.5753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 107, 147) }
```

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

```
.background{ background-color: rgb(198,  
107, 147) }
```

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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