

Converting Colors

XYZ(33.3614, 16.9100, 14.5923)

Have a look what the booklet for
XYZ(33.3614, 16.9100, 14.5923)
contains.

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Color

**XYZ(33.2392, 16.8468,
14.5966)**

Conversions

Conversions Part 1

Format	Color
Hex	E00068
RGB	224, 0, 104
RGB Percent	88%, 0%, 41%
CMY	0.1216, 0.9998, 0.5922
CMYK	0.00, 1.00, 0.54, 0.12
HSL	332°, 100%, 44%
HSV	332°, 100%, 88%
XYZ	33.2392, 16.8468, 14.5966
YIQ	78.8320, 100.1200, 79.8320

Conversions

Conversions Part 2

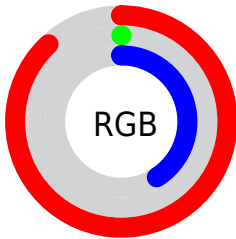
Format	Color
RYB	224, 0, 104
Decimal	14680168
CIELab	48.07, 76.12, 8.10
CIELCh	48, 76.550, 6.074
Yxy	16.8468, 0.5139, 0.2605
Android (android.graphics.Color)	4292870248 (0xFFE00068)
YUV	78.8320, 12.4078, 127.3123
Hunter-Lab	41.0449, 72.7255, 7.6464

Details

The XYZ color **33.2392, 16.8468, 14.5966** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **30.0494, 54.6687, 26.7534**, and the grayscale version is **7.3685, 7.7523, 8.4422**.

A 20% lighter version of the original color is **50.9835, 31.2809, 34.3610**, and **15.4617, 7.8826, 4.7096** is the 20% darker color. If you saturate the color by 10%, you get **33.2377, 16.8462, 14.5895**, and if you desaturate by 10%, it is **34.1885, 17.6994, 18.1383**.

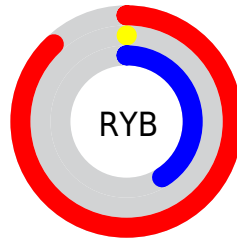
Distribution



Red (88%)

Green (0%)

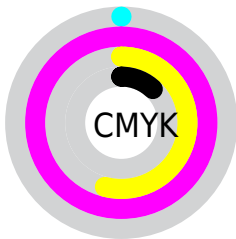
Blue (41%)



Red (88%)

Yellow (0%)

Blue (41%)

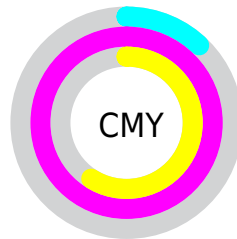


Cyan (0%)

Magenta (100%)

Yellow (54%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2392, 16.8468, 14.5966 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 33.2392, 16.8468, 14.5966 by changing the saturation by 10% instead.


 33.2392, 16.8468,
14.5966


 33.2392, 16.8468,
14.5966

308.3722,
234.2880, 232.4674


 22.4699, 10.1253,
8.3933


 64.1010, 38.0622,
34.8762


 14.3211, 5.4821,
4.2563


 84.9241, 53.3249,
49.7895


 8.4275, 2.5328,
1.7670


 109.8293, 72.2034,
68.4433

 4.4238, 0.8930,
0.4060

 139.1818, 95.0823,
91.2560

 1.9446, 0.0000,
0.0000

 173.3469,
122.3457, 118.6462

 0.6025, 0.0000,
0.0000

 212.6901,

 0.0000, 0.0000,

154.3782, 151.0325

0.0000

257.5768,
191.5642, 188.8334

■ 33.2392, 16.8468,
14.5966

■ 33.2392, 16.8468,
14.5966

■ 33.2377, 16.8462,
14.5895

■ 34.1885, 17.6994,
18.1383

■ 35.5697, 19.2713,
22.2690

■ 37.4967, 21.7851,
27.0428

■ 40.0355, 25.3680,
32.4969

■ 43.2421, 30.1275,
38.6644

■ 47.1659, 36.1573,
45.5758

■ 51.8511, 43.5421,
53.2592

■ 57.3385, 52.3589,
61.7409

■ 63.6656, 62.6789,
71.0459

Harmonies

Analogous

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



31.5290, 16.8468, 38.5640



33.2392, 16.8468, 14.5966



29.3669, 16.8468, 3.8044

Triad

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



33.2392, 16.8468, 14.5966



9.3816, 16.8468, 1.5611



11.1963, 16.8468, 79.9480

Complementary

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



33.2392, 16.8468, 14.5966



30.0494, 54.6687, 26.7534

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.



7.4808, 16.8468, 51.2094



33.2392, 16.8468, 14.5966



6.6641, 16.8468, 6.8165

Square

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



33.2392, 16.8468, 14.5966



14.6443, 16.8468, 0.4721



6.0856, 16.8468, 22.6818



17.4632, 16.8468, 88.4022

Rectangle

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



33.2392, 16.8468, 14.5966



24.6536, 16.8468, 1.4078



6.0856, 16.8468, 22.6818



9.6709, 16.8468, 71.6720

Sweetspot

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



33.2396, 16.8478, 14.5968



69.3988, 58.1556, 71.1917



21.1302, 9.3396, 71.2098



14.2577, 11.5023, 14.2758



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.



33.2396, 16.8478, 14.5968



44.5316, 22.5767, 19.2635



30.8222, 16.0105, 1.4673



13.9706, 13.8059, 15.6154



19.4037, 9.8285, 8.7914



1.3898, 0.6992, 0.8457

Inverse Universe

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



33.2396, 16.8478, 14.5968



44.5316, 22.5767, 19.2635



38.1482, 54.7683, 79.0815



13.9706, 13.8059, 15.6154



19.4037, 9.8285, 8.7914



1.3898, 0.6992, 0.8457

Previews

White Background



This preview shows how the XYZ color 33.2392, 16.8468, 14.5966 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 33.2392, 16.8468, 14.5966 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 33.2392, 16.8468, 14.5966

Background



This preview shows how black text looks on a background with the XYZ color 33.2392, 16.8468, 14.5966.

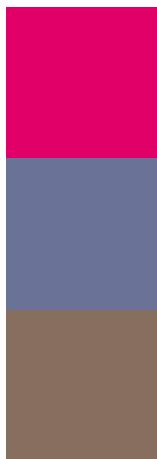


This preview shows how white text looks on a background with the XYZ color 33.2392, 16.8468,

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

33.2392, 16.8468, 14.5966

Protanopia

17.6605, 17.5600, 31.7368

Deuteranopia

17.7417, 17.3460, 13.2395



Tritanopia

31.0120, 17.1181, 3.7674

Trichromacy



Original Color

33.2392, 16.8468, 14.5966



Protanomaly

19.0800, 12.8759, 24.0339



Deuteranomaly

20.3942, 13.6038, 13.1062



Tritanomaly

31.4190, 16.6385, 6.4061

Monochromacy



Original Color

33.2392, 16.8468, 14.5966



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.4178, 7.8913, 10.1012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2392, 16.8468, 14.5966 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(224, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 104)  
}
```

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(224, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 104) }
```

Border

The CSS property to change the border of an element to XYZ 33.2392, 16.8468, 14.5966 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(224, 0, 104) }
```


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

```
.border{ border-color:rgb(224, 0, 104) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2392, 16.8468, 14.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 104) }
```

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

```
.background{ background-color: rgb(224, 0,  
104) }
```

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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