

Converting Colors

XYZ(33.1424, 17.6072, 14.6405)

Have a look what the booklet for
XYZ(33.1424, 17.6072, 14.6405)
contains.

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Color

**XYZ(33.1667, 17.6168,
14.7490)**

Conversions

Conversions Part 1

Format	Color
Hex	DE2168
RGB	222, 33, 104
RGB Percent	87%, 13%, 41%
CMY	0.1294, 0.8705, 0.5922
CMYK	0.00, 0.85, 0.53, 0.13
HSL	337°, 74%, 50%
HSV	337°, 85%, 87%
XYZ	33.1667, 17.6168, 14.7490
YIQ	97.6050, 89.8530, 62.1490

Conversions

Conversions Part 2

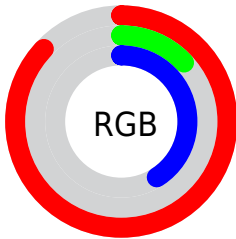
Format	Color
R_{YB}	222, 33, 104
Decimal	14557544
CIE _{Lab}	49.03, 71.72, 9.40
CIE _{LCh}	49, 72.333, 7.469
Yxy	17.6168, 0.5061, 0.2688
Android (android.graphics.Color)	4292747624 (0xFFDE2168)
YUV	97.6050, 3.1527, 109.0944
Hunter-Lab	41.9724, 67.5996, 8.5463

Details

The XYZ color **33.1667, 17.6168, 14.7490** 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 **32.3365, 54.8009, 38.1599**, and the grayscale version is **11.4908, 12.0892, 13.1651**.

A 20% lighter version of the original color is **51.9078, 33.1293, 34.6691**, and **15.2609, 7.7791, 4.7002** is the 20% darker color. If you saturate the color by 10%, you get **32.0930, 16.5053, 11.1982**, and if you desaturate by 10%, it is **34.7625, 19.5876, 19.0452**.

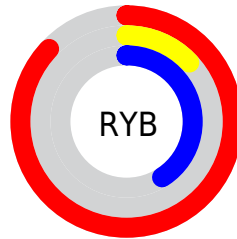
Distribution



Red (87%)

Green (13%)

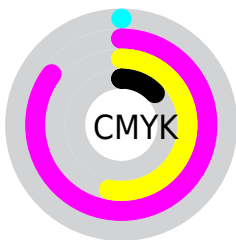
Blue (41%)



Red (87%)

Yellow (13%)

Blue (41%)

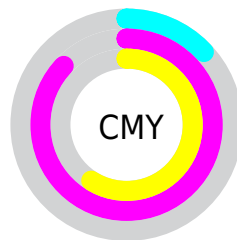


Cyan (0%)

Magenta (85%)

Yellow (53%)

Black (13%)



Cyan (13%)


Magenta (87%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1667, 17.6168, 14.7490 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 33.1667, 17.6168, 14.7490 by changing the saturation by 10% instead.

 33.1667, 17.6168,
14.7490


 33.1667, 17.6168,
14.7490

308.0519,
238.7022, 233.4301


 22.4140, 10.6752,
8.4988


 63.9886, 39.3833,
35.1483

 14.2797, 5.8489,
4.3234


 84.7886, 54.9770,
50.1344


 8.3985, 2.7534,
1.8044


 109.6684, 74.2235,
68.8696

 4.4049, 1.0044,
0.4308

 138.9934, 97.5072,
91.7724

 1.9337, 0.0000,
0.0000

 173.1288,
125.2125, 119.2613

 0.5963, 0.0000,
0.0000

 212.4402,

 0.0000, 0.0000,

157.7239, 151.7548

0.0000

257.2928,
195.4256, 189.6716

■ 33.1667, 17.6168,
14.7490

■ 33.1667, 17.6168,
14.7490

■ 32.0930, 16.5053,
11.1982

■ 34.7625, 19.5876,
19.0452

■ 31.7001, 16.1599,
9.7096

■ 36.9534, 22.5547,
24.1367

■ 39.8010, 26.6337,
30.0685

■ 43.3584, 31.9233,
36.8813

■ 47.6731, 38.5113,
44.6129

■ 52.7883, 46.4773,
53.2984

■ 58.7436, 55.8944,
62.9709

■ 65.5762, 66.8304,
73.6620

■ 73.3208, 79.3491,
85.4017

Harmonies

Analogous

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



31.7989, 17.6168, 37.2139



33.1667, 17.6168, 14.7490



29.2840, 17.6168, 4.3012

Triad

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



33.1667, 17.6168, 14.7490



10.0315, 17.6168, 2.2285



12.2520, 17.6168, 77.9679

Complementary

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



33.1667, 17.6168, 14.7490



32.3365, 54.8009, 38.1599

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.



8.4191, 17.6168, 51.7901



33.1667, 17.6168, 14.7490



7.3978, 17.6168, 8.1829

Square

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



33.1667, 17.6168, 14.7490



15.1150, 17.6168, 0.8957



6.8993, 17.6168, 24.4239



18.4866, 17.6168, 84.5601

Rectangle

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



33.1667, 17.6168, 14.7490



24.7273, 17.6168, 1.8196



6.8993, 17.6168, 24.4239



10.6959, 17.6168, 70.5948

Sweetspot

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



33.1671, 17.6178, 14.7493



71.4599, 62.3610, 71.6227



26.2256, 12.8049, 70.1962



14.7539, 12.5015, 14.4202



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.



33.1671, 17.6178, 14.7493



43.3411, 22.1004, 12.9940



31.7682, 18.3783, 3.3134



13.9191, 13.7853, 15.3442



18.8791, 9.6186, 6.0291



1.3511, 0.6837, 0.6415

Inverse Universe

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



33.1671, 17.6178, 14.7493



43.3411, 22.1004, 12.9940



34.4557, 46.8838, 76.3403



13.9191, 13.7853, 15.3442



18.8791, 9.6186, 6.0291



1.3511, 0.6837, 0.6415

Previews

White Background



This preview shows how the XYZ color 33.1667, 17.6168, 14.7490 looks on a white background.

Color Contrast Check

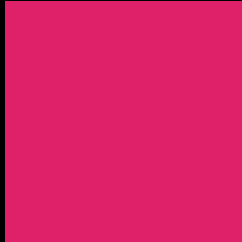
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1667, 17.6168, 14.7490 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 33.1667, 17.6168, 14.7490

Background



This preview shows how black text looks on a background with the XYZ color 33.1667, 17.6168, 14.7490.



This preview shows how white text looks on a background with the XYZ color 33.1667, 17.6168,

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

33.1667, 17.6168, 14.7490

Protanopia

17.8641, 17.8811, 29.7040

Deuteranopia

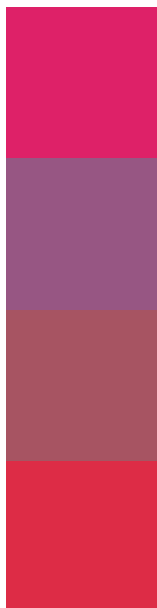
18.1240, 17.8707, 13.3206



Tritanopia

31.2533, 17.7359, 4.9081

Trichromacy



Original Color

33.1667, 17.6168, 14.7490

Protanomaly

20.1870, 14.8736, 23.2796

Deuteranomaly

21.3113, 15.4380, 13.4119

Tritanomaly

31.8250, 17.6157, 7.5172

Monochromacy



Original Color

33.1667, 17.6168, 14.7490

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

16.0767, 11.6573, 13.4593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1667, 17.6168, 14.7490 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(222, 33, 104)` looks like.

```
.text, #text, p{  
    color:rgb(222, 33, 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(222, 33, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 33, 104) }
```

Border

The CSS property to change the border of an element to XYZ 33.1667, 17.6168, 14.7490 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(222, 33, 104) }
```


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

```
.border{ border-color:rgb(222, 33, 104) }
```

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

Here you see how a box with a 4 pixel rgb(222, 33, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 33, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 33, 104);  
box-shadow:4px 4px 4px 4px rgb(222, 33,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1667, 17.6168, 14.7490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 33, 104) }
```

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

```
.background{ background-color: rgb(222, 33,  
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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