

Converting Colors

XYZ(32.4444, 12.2964, 13.8459)

Have a look what the booklet for
XYZ(32.4444, 12.2964, 13.8459)
contains.

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Color

**XYZ(35.1318, 17.8225,
14.6851)**

Conversions

Conversions Part 1

Format	Color
Hex	E60068
RGB	230, 0, 104
RGB Percent	90%, 0%, 41%
CMY	0.0980, 0.9998, 0.5922
CMYK	0.00, 1.00, 0.55, 0.10
HSL	333°, 100%, 45%
HSV	333°, 100%, 90%
XYZ	35.1318, 17.8225, 14.6851
YIQ	80.6260, 103.6960, 81.1040

Conversions

Conversions Part 2

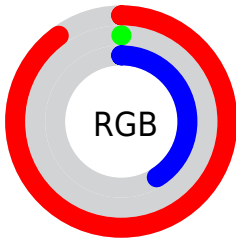
Format	Color
R_{YB}	230, 0, 104
Decimal	15073384
CIE Lab	49.28, 77.45, 9.99
CIE LCh	49, 78.093, 7.347
Yxy	17.8225, 0.5194, 0.2635
Android (android.graphics.Color)	4293263464 (0xFFE60068)
YUV	80.6260, 11.5234, 131.0010
Hunter-Lab	42.2167, 74.6645, 8.9276

Details

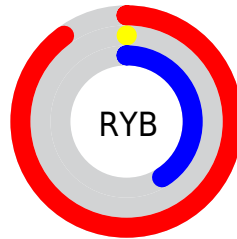
The XYZ color **35.1318, 17.8225, 14.6851** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **32.0668, 58.1015, 29.2817**, and the grayscale version is **7.7172, 8.1191, 8.8417**.

A 20% lighter version of the original color is **51.0707, 31.4553, 34.3901**, and **16.7001, 8.5210, 4.7675** is the 20% darker color. If you saturate the color by 10%, you get **35.1301, 17.8218, 14.6771**, and if you desaturate by 10%, it is **36.1280, 18.7129, 18.4153**.

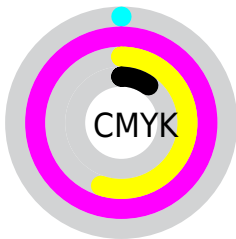
Distribution



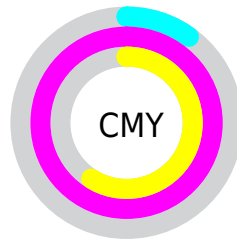
- Red (90%)
- Green (0%)
- Blue (41%)



- Red (90%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1318, 17.8225, 14.6851 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 35.1318, 17.8225, 14.6851 by changing the saturation by 10% instead.


 35.1318, 17.8225,
14.6851


 35.1318, 17.8225,
14.6851


316.6475,
239.8687, 233.0270


 23.9314, 10.8226,
8.4545


 67.0226, 39.7346,
35.0343


 15.4072, 5.9477,
4.2952


 88.4437, 55.4157,
49.9899


 9.1938, 2.8133,
1.7887


 114.0024, 74.7593,
68.6910

 4.9260, 1.0351,
0.4205

 144.0641, 98.1497,
91.5561

 2.2382, 0.0000,
0.0000

 178.9940,
125.9715, 119.0037

 0.7628, 0.0000,
0.0000

 219.1577,

 0.0000, 0.0000,

158.6090, 151.4523

0.0000

264.9204,
196.4466, 189.3206

■ 35.1318, 17.8225,
14.6851

■ 35.1318, 17.8225,
14.6851

■ 35.1301, 17.8218,
14.6771

■ 36.1280, 18.7129,
18.4153

■ 37.5883, 20.3717,
22.7918

■ 39.6326, 23.0332,
27.8730

■ 42.3320, 26.8336,
33.7003

■ 45.7464, 31.8875,
40.3103

■ 49.9286, 38.2954,
47.7364

■ 54.9263, 46.1474,
56.0100

■ 60.7830, 55.5259,
65.1601

■ 67.5390, 66.5071,
75.2145

Harmonies

Analogous

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



33.5742, 17.8225, 39.4910



35.1318, 17.8225, 14.6851



30.8080, 17.8225, 3.7685

Triad

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



35.1318, 17.8225, 14.6851



9.7433, 17.8225, 1.7497



12.0675, 17.8225, 85.6462

Complementary

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



35.1318, 17.8225, 14.6851



32.0668, 58.1015, 29.2817

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.



8.0192, 17.8225, 55.6709



35.1318, 17.8225, 14.6851



6.9728, 17.8225, 7.6353

Square

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



35.1318, 17.8225, 14.6851



15.1994, 17.8225, 0.5253



6.4485, 17.8225, 25.0428



18.8081, 17.8225, 93.3590

Rectangle

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



35.1318, 17.8225, 14.6851



25.7461, 17.8225, 1.3952



6.4485, 17.8225, 25.0428



10.4125, 17.8225, 77.1511

Sweetspot

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



35.1323, 17.8236, 14.6854



69.2806, 58.1084, 70.5695



22.4079, 9.9026, 75.5929



14.2299, 11.4912, 14.1293



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.



35.1323, 17.8236, 14.6854



44.3501, 22.5041, 18.3078



32.7171, 16.9906, 1.5567



14.6465, 14.4758, 16.3388



19.9486, 10.1137, 8.6245



1.5204, 0.7659, 0.8812

Inverse Universe

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



35.1323, 17.8236, 14.6854



44.3501, 22.5041, 18.3078



40.4938, 58.1340, 83.9493



14.6465, 14.4758, 16.3388



19.9486, 10.1137, 8.6245



1.5204, 0.7659, 0.8812

Previews

White Background



This preview shows how the XYZ color 35.1318, 17.8225, 14.6851 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 35.1318, 17.8225, 14.6851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

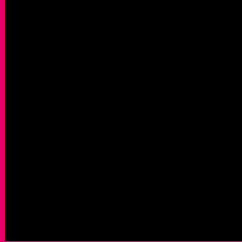
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.1318, 17.8225, 14.6851

Background



This preview shows how black text looks on a background with the XYZ color 35.1318, 17.8225, 14.6851.



This preview shows how white text looks on a background with the XYZ color 35.1318, 17.8225,

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

35.1318, 17.8225, 14.6851

Protanopia

18.6199, 18.5707, 31.8813

Deuteranopia

18.6852, 18.3317, 13.1432



Tritanopia

32.8717, 18.0769, 3.8545

Trichromacy



Original Color

35.1318, 17.8225, 14.6851



Protanomaly

20.1456, 13.6234, 24.1220



Deuteranomaly

21.6004, 14.4176, 13.1997



Tritanomaly

33.2897, 17.6029, 6.4936

Monochromacy



Original Color

35.1318, 17.8225, 14.6851



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0228, 8.3281, 10.3723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1318, 17.8225, 14.6851 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(230, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 104) }
```

Border

The CSS property to change the border of an element to XYZ 35.1318, 17.8225, 14.6851 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(230, 0, 104) }
```


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

```
.border{ border-color:rgb(230, 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(230, 0, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1318, 17.8225, 14.6851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 104) }
```

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

```
.background{ background-color: rgb(230, 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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