

Converting Colors

XYZ(33.8216, 17.1863, 12.8500)

Have a look what the booklet for
XYZ(33.8216, 17.1863, 12.8500)
contains.

XYZ(33.8362, 17.1940, 12.8447)	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(33.8362, 17.1940,
12.8447)**

Conversions

Conversions Part 1

Format	Color
Hex	E30061
RGB	227, 0, 97
RGB Percent	89%, 0%, 38%
CMY	0.1098, 0.9998, 0.6196
CMYK	0.00, 1.00, 0.57, 0.11
HSL	334°, 100%, 45%
HSV	334°, 100%, 89%
XYZ	33.8362, 17.1940, 12.8447
YIQ	78.9310, 104.1550, 78.2910

Conversions

Conversions Part 2

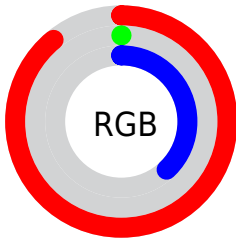
Format	Color
RYB	227, 0, 97
Decimal	14876769
CIELab	48.50, 76.33, 13.12
CIElCh	49, 77.453, 9.756
Yxy	17.1940, 0.5297, 0.2692
Android (android.graphics.Color)	4293066849 (0xFFE30061)
YUV	78.9310, 8.9080, 129.8565
Hunter-Lab	41.4656, 73.0921, 10.6599

Details

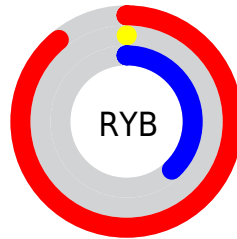
The XYZ color **33.8362, 17.1940, 12.8447** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **31.5025, 56.5513, 30.3932**, and the grayscale version is **7.3939, 7.7789, 8.4712**.

A 20% lighter version of the original color is **50.4208, 31.1953, 30.9676**, and **15.9074, 8.1315, 3.8631** is the 20% darker color. If you saturate the color by 10%, you get **33.8346, 17.1933, 12.8370**, and if you desaturate by 10%, it is **34.7946, 18.0597, 16.4048**.

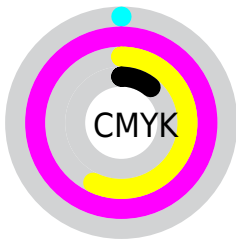
Distribution



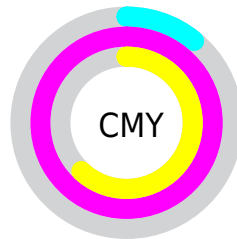
- Red (89%)
- Green (0%)
- Blue (38%)



- Red (89%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8362, 17.1940, 12.8447 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 33.8362, 17.1940, 12.8447 by changing the saturation by 10% instead.

 33.8362, 17.1940,
12.8447


 33.8362, 17.1940,
12.8447

310.9998,
236.2879, 221.0927


 22.9301, 10.3729,
7.1922


 65.0248, 38.6590,
31.7116


 14.6623, 5.6469,
3.5023


 86.0381, 54.0718,
45.7631


 8.6675, 2.6316,
1.3565


 111.1511, 73.1171,
63.4513

 4.5803, 0.9426,
0.1074

 140.7292, 96.1796,
85.1948

 2.0354, 0.0000,
0.0000

 175.1378,
123.6435, 111.4122

 0.6537, 0.0000,
0.0000

 214.7422,

 0.0000, 0.0000,

155.8932, 142.5220

0.0000

259.9077,
193.3132, 178.9426

■ 33.8362, 17.1940,
12.8447

■ 33.8362, 17.1940,
12.8447

■ 33.8346, 17.1933,
12.8370

■ 34.7946, 18.0597,
16.4048

■ 36.2097, 19.6727,
20.6298

■ 38.1994, 22.2616,
25.5797

■ 40.8328, 25.9585,
31.2974

■ 44.1685, 30.8744,
37.8211

■ 48.2581, 37.1068,
45.1859

■ 53.1481, 44.7432,
53.4243

■ 58.8811, 53.8635,
62.5669

■ 65.4967, 64.5416,
72.6426

Harmonies

Analogous

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



32.7974, 17.1940, 35.7793



33.8362, 17.1940, 12.8447



29.2512, 17.1940, 3.1938

Triad

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



33.8362, 17.1940, 12.8447



9.0717, 17.1940, 1.8774



12.0574, 17.1940, 84.6219

Complementary

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



33.8362, 17.1940, 12.8447



31.5025, 56.5513, 30.3932

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.



7.9308, 17.1940, 56.5310



33.8362, 17.1940, 12.8447



6.5857, 17.1940, 8.1865

Square

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



33.8362, 17.1940, 12.8447



14.1356, 17.1940, 0.5100



6.2394, 17.1940, 26.1624



18.7677, 17.1940, 89.7824

Rectangle

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



33.8362, 17.1940, 12.8447



24.2319, 17.1940, 1.1835



6.2394, 17.1940, 26.1624



10.3833, 17.1940, 76.9190

Sweetspot

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



33.8366, 17.1951, 12.8449



69.0404, 58.0123, 69.3044



22.8668, 10.1875, 73.4337



14.1734, 11.4686, 13.8319



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.



33.8366, 17.1951, 12.8449



43.9966, 22.3626, 16.4458



31.8521, 16.6778, 1.5419



14.6312, 14.4697, 16.2585



19.7883, 10.0495, 7.7801



1.5080, 0.7609, 0.8157

Inverse Universe

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



33.8366, 17.1951, 12.8449



43.9966, 22.3626, 16.4458



37.3766, 52.5682, 80.8493



14.6312, 14.4697, 16.2585



19.7883, 10.0495, 7.7801



1.5080, 0.7609, 0.8157

Previews

White Background



This preview shows how the XYZ color 33.8362, 17.1940, 12.8447 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 33.8362, 17.1940, 12.8447 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 33.8362, 17.1940, 12.8447

Background



This preview shows how black text looks on a background with the XYZ color 33.8362, 17.1940, 12.8447.

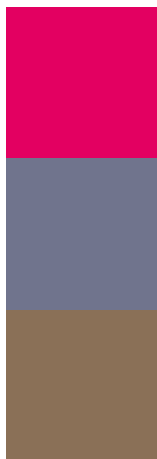


This preview shows how white text looks on a background with the XYZ color 33.8362, 17.1940,

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

33.8362, 17.1940, 12.8447

Protanopia

17.7352, 17.8586, 27.7116

Deuteranopia

17.9957, 17.6797, 11.4809



Tritanopia

32.1108, 17.5922, 3.4535

Trichromacy



Original Color

33.8362, 17.1940, 12.8447



Protanomaly

19.4769, 13.2483, 20.9327



Deuteranomaly

20.7191, 13.8079, 11.4707



Tritanomaly

32.5011, 17.1798, 5.7407

Monochromacy



Original Color

33.8362, 17.1940, 12.8447



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.4932, 7.9396, 9.6781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8362, 17.1940, 12.8447 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(227, 0, 97)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 97)  
}
```

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(227, 0, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 97) }
```

Border

The CSS property to change the border of an element to XYZ 33.8362, 17.1940, 12.8447 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(227, 0, 97) }
```


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

```
.border{ border-color:rgb(227, 0, 97) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.8362, 17.1940, 12.8447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 97) }
```

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

```
.background{ background-color: rgb(227, 0,  
97) }
```

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