

Converting Colors

XYZ(33.6790, 17.1292, 12.0990)

Have a look what the booklet for
XYZ(33.6790, 17.1292, 12.0990)
contains.

XYZ(33.6989, 17.1390, 12.1217)	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(33.6989, 17.1390,
12.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	E3005E
RGB	227, 0, 94
RGB Percent	89%, 0%, 37%
CMY	0.1098, 0.9998, 0.6314
CMYK	0.00, 1.00, 0.59, 0.11
HSL	335°, 100%, 45%
HSV	335°, 100%, 89%
XYZ	33.6989, 17.1390, 12.1217
YIQ	78.5890, 105.1180, 77.3580

Conversions

Conversions Part 2

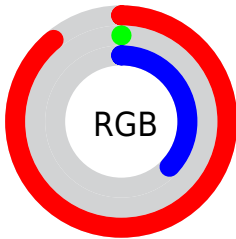
Format	Color
R_{YB}	227, 0, 94
Decimal	14876766
CIE Lab	48.43, 76.15, 14.88
CIE LCh	48, 77.590, 11.058
Yxy	17.1390, 0.5352, 0.2722
Android (android.graphics.Color)	4293066846 (0xFFE3005E)
YUV	78.5890, 7.5976, 130.1564
Hunter-Lab	41.3993, 72.8498, 11.6194

Details

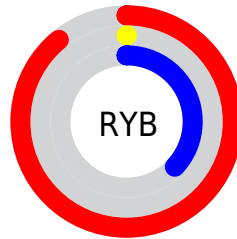
The XYZ color **33.6989, 17.1390, 12.1217** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **31.7066, 56.6330, 31.4683**, and the grayscale version is **7.3304, 7.7121, 8.3985**.

A 20% lighter version of the original color is **50.1012, 30.9279, 29.7146**, and **15.8642, 8.1143, 3.6358** is the 20% darker color. If you saturate the color by 10%, you get **33.6975, 17.1384, 12.1148**, and if you desaturate by 10%, it is **34.6497, 18.0016, 15.6421**.

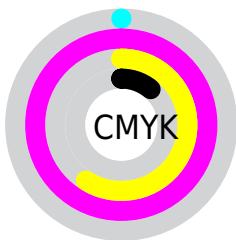
Distribution



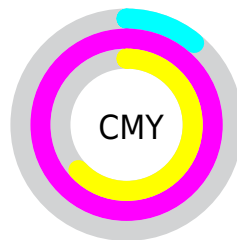
- Red (89%)
- Green (0%)
- Blue (37%)



- Red (89%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6989, 17.1390, 12.1217 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 33.6989, 17.1390, 12.1217 by changing the saturation by 10% instead.

 33.6989, 17.1390,
12.1217


 33.6989, 17.1390,
12.1217


310.3970,
235.9721, 216.2157


 22.8242, 10.3336,
6.7031


 64.8126, 38.5646,
30.3843


 14.5837, 5.6207,
3.2015


 85.7822, 53.9537,
44.0653


 8.6122, 2.6159,
1.1984


 110.8476, 72.9727,
61.3375

 4.5442, 0.9346,
0.0000

 140.3739, 96.0062,
82.6195

 2.0144, 0.0000,
0.0000

 174.7267,
123.4385, 108.3298

 0.6420, 0.0000,
0.0000

 214.2712,

 0.0000, 0.0000,

155.6540, 138.8869

0.0000

259.3729,
193.0370, 174.7094

■ 33.6989, 17.1390,
12.1217

■ 33.6989, 17.1390,
12.1217

■ 33.6975, 17.1384,
12.1148

■ 34.6497, 18.0016,
15.6421

■ 36.0611, 19.6129,
19.8478

■ 38.0513, 22.2019,
24.8008

■ 40.6897, 25.9006,
30.5457

■ 44.0353, 30.8203,
37.1222

■ 48.1400, 37.0585,
44.5669

■ 53.0504, 44.7028,
52.9137

■ 58.8095, 53.8334,
62.1945

■ 65.4571, 64.5240,
72.4394

Harmonies

Analogous

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



32.9162, 17.1390, 34.4489



33.6989, 17.1390, 12.1217



28.9058, 17.1390, 2.9592

Triad

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



33.6989, 17.1390, 12.1217



8.8675, 17.1390, 1.9794



12.2480, 17.1390, 85.4548

Complementary

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



33.6989, 17.1390, 12.1217



31.7066, 56.6330, 31.4683

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.



8.0117, 17.1390, 57.9261



33.6989, 17.1390, 12.1217



6.4884, 17.1390, 8.6291

Square

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



33.6989, 17.1390, 12.1217



13.8093, 17.1390, 0.5145



6.2289, 17.1390, 27.2104



19.0515, 17.1390, 89.3495

Rectangle

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



33.6989, 17.1390, 12.1217



23.8304, 17.1390, 1.0969



6.2289, 17.1390, 27.2104



10.5362, 17.1390, 78.0524

Sweetspot

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



33.6993, 17.1401, 12.1219



68.9140, 57.9617, 68.6386



23.4498, 10.4880, 73.4611



14.1437, 11.4567, 13.6756



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.



33.6993, 17.1401, 12.1219



43.8188, 22.2915, 15.5098



31.9109, 16.7954, 1.5614



14.6232, 14.4665, 16.2160



19.7075, 10.0172, 7.3546



1.5016, 0.7584, 0.7822

Inverse Universe

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



33.6993, 17.1401, 12.1219



43.8188, 22.2915, 15.5098



36.4428, 50.7005, 80.5381



14.6232, 14.4665, 16.2160



19.7075, 10.0172, 7.3546



1.5016, 0.7584, 0.7822

Previews

White Background



This preview shows how the XYZ color 33.6989, 17.1390, 12.1217 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 33.6989, 17.1390, 12.1217 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 33.6989, 17.1390, 12.1217

Background



This preview shows how black text looks on a background with the XYZ color 33.6989, 17.1390, 12.1217.



This preview shows how white text looks on a background with the XYZ color 33.6989, 17.1390,

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

33.6989, 17.1390, 12.1217

Protanopia

17.5708, 17.8076, 26.1780

Deuteranopia

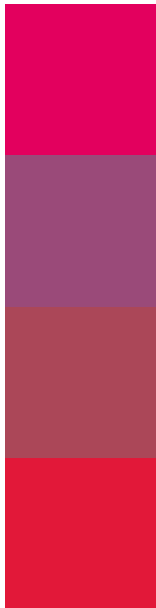
18.0419, 17.7174, 10.8564



Tritanopia

32.0629, 17.5212, 3.3611

Trichromacy



Original Color

33.6989, 17.1390, 12.1217

Protanomaly

19.2264, 13.1481, 19.6136

Deuteranomaly

20.8093, 13.8690, 10.8127

Tritanomaly

32.4292, 17.1174, 5.4657

Monochromacy



Original Color

33.6989, 17.1390, 12.1217

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.4137, 7.9078, 9.2596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6989, 17.1390, 12.1217 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, 94)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 33.6989, 17.1390, 12.1217 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, 94) }
```


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

```
.border{ border-color:rgb(227, 0, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.6989, 17.1390, 12.1217 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, 94) }
```

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

```
.background{ background-color: rgb(227, 0,  
94) }
```

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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