

Converting Colors

XYZ(33.5238, 17.0562, 11.7788)

Have a look what the booklet for
XYZ(33.5238, 17.0562, 11.7788)
contains.

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Color

**XYZ(33.6543, 17.1212,
11.8869)**

Conversions

Conversions Part 1

Format	Color
Hex	E3005D
RGB	227, 0, 93
RGB Percent	89%, 0%, 36%
CMY	0.1098, 0.9998, 0.6353
CMYK	0.00, 1.00, 0.59, 0.11
HSL	335°, 100%, 45%
HSV	335°, 100%, 89%
XYZ	33.6543, 17.1212, 11.8869
YIQ	78.4750, 105.4390, 77.0470

Conversions

Conversions Part 2

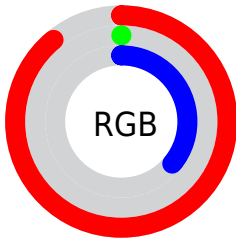
Format	Color
R_{YB}	227, 0, 93
Decimal	14876765
CIE _{Lab}	48.41, 76.09, 15.47
CIE _{LCh}	48, 77.646, 11.491
Yxy	17.1212, 0.5371, 0.2732
Android (android.graphics.Color)	4293066845 (0xFFE3005D)
YUV	78.4750, 7.1608, 130.2564
Hunter-Lab	41.3778, 72.7705, 11.9318

Details

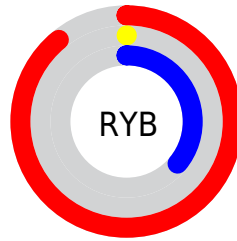
The XYZ color **33.6543, 17.1212, 11.8869** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **31.7762, 56.6608, 31.8350**, and the grayscale version is **7.3098, 7.6905, 8.3749**.

A 20% lighter version of the original color is **50.0251, 30.8975, 29.3138**, and **15.8433, 8.1059, 3.5259** is the 20% darker color. If you saturate the color by 10%, you get **33.6528, 17.1206, 11.8797**, and if you desaturate by 10%, it is **34.6024, 17.9828, 15.3932**.

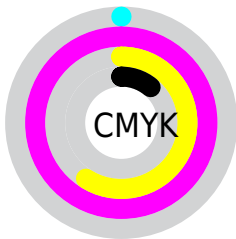
Distribution



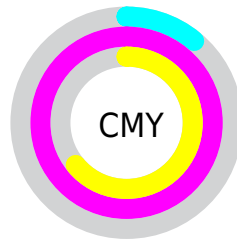
- Red (89%)
- Green (0%)
- Blue (36%)



- Red (89%)
- Yellow (0%)
- Blue (36%)



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





- Cyan (11%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6543, 17.1212, 11.8869 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 33.6543, 17.1212, 11.8869 by changing the saturation by 10% instead.


 33.6543, 17.1212,
11.8869


 33.6543, 17.1212,
11.8869


310.2009,
235.8699, 214.6064


 22.7898, 10.3209,
6.5451


 64.7436, 38.5340,
29.9503


 14.5582, 5.6123,
3.1052


 85.6991, 53.9154,
43.5089


 8.5942, 2.6108,
1.1486


 110.7489, 72.9260,
60.6436

 4.5324, 0.9321,
0.0000

 140.2584, 95.9500,
81.7728

 2.0075, 0.0000,
0.0000

 174.5931,
123.3721, 107.3152

 0.6382, 0.0000,
0.0000

 214.1181,

 0.0000, 0.0000,

155.5765, 137.6892

0.0000

259.1990,
192.9476, 173.3134

■ 33.6543, 17.1212,
11.8869

■ 33.6543, 17.1212,
11.8869

■ 33.6528, 17.1206,
11.8797

■ 34.6024, 17.9828,
15.3932

■ 36.0125, 19.5937,
19.5917

■ 38.0028, 22.1828,
24.5450

■ 40.6429, 25.8822,
30.2982

■ 43.9918, 30.8033,
36.8918

■ 48.1015, 37.0436,
44.3627

■ 53.0188, 44.6909,
52.7454

■ 58.7867, 53.8251,
62.0721

■ 65.4451, 64.5202,
72.3735

Harmonies

Analogous

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



32.9571, 17.1212, 34.0135



33.6543, 17.1212, 11.8869



28.7921, 17.1212, 2.8836

Triad

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



33.6543, 17.1212, 11.8869



8.8003, 17.1212, 2.0142



12.3124, 17.1212, 85.7371

Complementary

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



33.6543, 17.1212, 11.8869



31.7762, 56.6608, 31.8350

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.



8.0390, 17.1212, 58.3989



33.6543, 17.1212, 11.8869



6.4563, 17.1212, 8.7806

Square

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



33.6543, 17.1212, 11.8869



13.7019, 17.1212, 0.5160



6.2256, 17.1212, 27.5673



19.1475, 17.1212, 89.2086

Rectangle

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



33.6543, 17.1212, 11.8869



23.6982, 17.1212, 1.0690



6.2256, 17.1212, 27.5673



10.5878, 17.1212, 78.4360

Sweetspot

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



33.6547, 17.1223, 11.8871



68.8719, 57.9449, 68.4171



23.4500, 10.4881, 73.4610



14.1339, 11.4528, 13.6237



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.



33.6547, 17.1223, 11.8871



43.7610, 22.2684, 15.2052



31.9109, 16.7955, 1.5615



14.6205, 14.4654, 16.2018



19.6812, 10.0067, 7.2159



1.4996, 0.7575, 0.7712

Inverse Universe

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



33.6547, 17.1223, 11.8871



43.7610, 22.2684, 15.2052



36.4428, 50.7006, 80.5380



14.6205, 14.4654, 16.2018



19.6812, 10.0067, 7.2159



1.4996, 0.7575, 0.7712

Previews

White Background



This preview shows how the XYZ color 33.6543, 17.1212, 11.8869 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 33.6543, 17.1212, 11.8869 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 33.6543, 17.1212, 11.8869

Background



This preview shows how black text looks on a background with the XYZ color 33.6543, 17.1212, 11.8869.

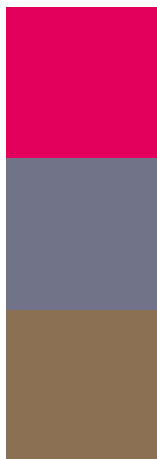


This preview shows how white text looks on a background with the XYZ color 33.6543, 17.1212,

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

33.6543, 17.1212, 11.8869

Protanopia

17.4994, 17.7791, 25.8019

Deuteranopia

18.0030, 17.7018, 10.6516



Tritanopia

32.0163, 17.4520, 3.2712

Trichromacy



Original Color

33.6543, 17.1212, 11.8869



Protanomaly

19.1654, 13.1236, 19.2923



Deuteranomaly

20.7681, 13.8525, 10.5960



Tritanomaly

32.4045, 17.1075, 5.3356

Monochromacy



Original Color

33.6543, 17.1212, 11.8869



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 33.6543, 17.1212, 11.8869 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 93) }
```

Border

The CSS property to change the border of an element to XYZ 33.6543, 17.1212, 11.8869 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, 93) }
```


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

```
.border{ border-color:rgb(227, 0, 93) }
```

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, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 93);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.6543, 17.1212, 11.8869 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, 93) }
```

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

```
.background{ background-color: rgb(227, 0,  
93) }
```

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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