

Converting Colors

XYZ(33.2878, 17.6387, 7.5599)

Have a look what the booklet for
XYZ(33.2878, 17.6387, 7.5599)
contains.

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Color

**XYZ(33.2311, 17.6163,
7.6101)**

Conversions

Conversions Part 1

Format	Color
Hex	E31C47
RGB	227, 28, 71
RGB Percent	89%, 11%, 28%
CMY	0.1098, 0.8901, 0.7216
CMYK	0.00, 0.88, 0.69, 0.11
HSL	347°, 78%, 50%
HSV	347°, 88%, 89%
XYZ	33.2311, 17.6163, 7.6101
YIQ	92.4030, 104.8010, 55.5610

Conversions

Conversions Part 2

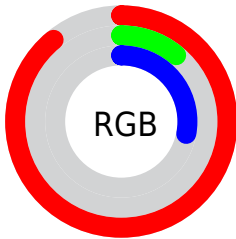
Format	Color
R_{YB}	227, 28, 71
Decimal	14883911
CIE Lab	49.03, 71.95, 29.73
CIE LCh	49, 77.851, 22.453
Yxy	17.6163, 0.5685, 0.3014
Android (android.graphics.Color)	4293073991 (0xFFE31C47)
YUV	92.4030, -10.5517, 118.0416
Hunter-Lab	41.9718, 67.8765, 18.6301

Details

The XYZ color **33.2311, 17.6163, 7.6101** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.6026, 58.6466, 54.7509**, and the grayscale version is **10.2752, 10.8103, 11.7724**.

A 20% lighter version of the original color is **49.1269, 31.7063, 20.9834**, and **15.3139, 7.8704, 1.8106** is the 20% darker color. If you saturate the color by 10%, you get **32.3834, 16.7053, 4.9104**, and if you desaturate by 10%, it is **34.6448, 19.3923, 11.3238**.

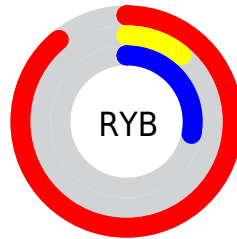
Distribution



Red (89%)

Green (11%)

Blue (28%)



Red (89%)

Yellow (11%)

Blue (28%)

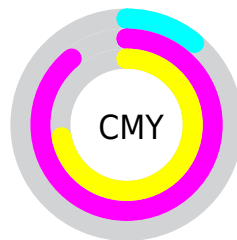


Cyan (0%)

Magenta (88%)

Yellow (69%)

Black (11%)



Cyan (11%)


Magenta (89%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2311, 17.6163, 7.6101 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 33.2311, 17.6163, 7.6101 by changing the saturation by 10% instead.


 33.2311, 17.6163,
7.6101


 33.2311, 17.6163,
7.6101


308.3364,
238.6993, 182.4599


 22.4636, 10.6749,
3.7623


 64.0884, 39.3824,
21.7239


 14.3165, 5.8487,
1.4959


 84.9090, 54.9759,
32.8269


 8.4243, 2.7533,
0.2149


 109.8113, 74.2222,
47.1855

 4.4217, 1.0043,
0.0000

 139.1607, 97.5056,
65.2181

 1.9434, 0.0000,
0.0000

 173.3226,
125.2107, 87.3433

 0.6018, 0.0000,
0.0000

 212.6622,

 0.0000, 0.0000,

157.7217, 113.9797

0.0000

257.5451,
195.4231, 145.5457

■ 33.2311, 17.6163,
7.6101

■ 33.2311, 17.6163,
7.6101

■ 32.3834, 16.7053,
4.9104

■ 34.6448, 19.3923,
11.3238

■ 32.2333, 16.5528,
4.4051

■ 36.7214, 22.2049,
16.1489

■ 39.5355, 26.1844,
22.1693

■ 43.1509, 31.4413,
29.4600

■ 47.6246, 38.0731,
38.0899

■ 53.0080, 46.1677,
48.1227

■ 59.3486, 55.8057,
59.6177

■ 66.6903, 67.0618,
72.6312

■ 75.0746, 80.0059,
87.2160

Harmonies

Analogous

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



34.7325, 17.6163, 24.9226



33.2311, 17.6163, 7.6101



26.7667, 17.6163, 1.7416

Triad

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



33.2311, 17.6163, 7.6101



7.9392, 17.6163, 3.6815



14.9773, 17.6163, 92.3150

Complementary

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



33.2311, 17.6163, 7.6101



36.6026, 58.6466, 54.7509

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.



9.5993, 17.6163, 71.5025



33.2311, 17.6163, 7.6101



6.3716, 17.6163, 14.3970

Square

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



33.2311, 17.6163, 7.6101



11.9606, 17.6163, 0.8795



6.8762, 17.6163, 38.8461



22.6574, 17.6163, 84.8769

Rectangle

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



33.2311, 17.6163, 7.6101



21.3123, 17.6163, 0.7202



6.8762, 17.6163, 38.8461



12.8798, 17.6163, 88.0685

Sweetspot

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



33.2315, 17.6174, 7.6104



70.1550, 61.8390, 64.7509



34.0212, 16.5542, 74.0747



14.4497, 12.3798, 12.8183



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.



33.2315, 17.6174, 7.6104



41.9314, 21.5366, 5.5710



35.0897, 22.8178, 3.6550



14.5038, 14.4187, 15.5872



18.8339, 9.6678, 2.7543



1.4257, 0.7280, 0.3824

Inverse Universe

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



33.2315, 17.6174, 7.6104



41.9314, 21.5366, 5.5710



28.8364, 34.7769, 77.8653



14.5038, 14.4187, 15.5872



18.8339, 9.6678, 2.7543



1.4257, 0.7280, 0.3824

Previews

White Background



This preview shows how the XYZ color 33.2311, 17.6163, 7.6101 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 33.2311, 17.6163, 7.6101 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 33.2311, 17.6163, 7.6101

Background



This preview shows how black text looks on a background with the XYZ color 33.2311, 17.6163, 7.6101.

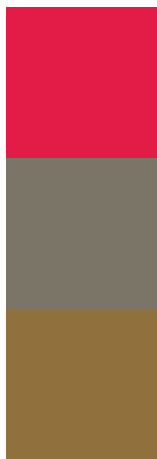


This preview shows how white text looks on a background with the XYZ color 33.2311, 17.6163,

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

33.2311, 17.6163, 7.6101

Protanopia

16.9779, 17.9128, 15.3947

Deuteranopia

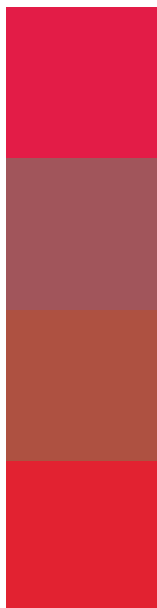
18.1381, 17.8546, 6.9052



Tritanopia

32.3756, 17.6824, 3.3757

Trichromacy



Original Color

33.2311, 17.6163, 7.6101

Protanomaly

19.8348, 14.8294, 11.7145

Deuteranomaly

21.3521, 15.2652, 6.8221

Tritanomaly

32.4904, 17.5346, 4.5778

Monochromacy



Original Color

33.2311, 17.6163, 7.6101

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

14.7129, 10.5591, 9.6502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2311, 17.6163, 7.6101 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, 28, 71)` looks like.

```
.text, #text, p{  
    color:rgb(227, 28, 71)  
}
```

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, 28, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 28, 71) }
```

Border

The CSS property to change the border of an element to XYZ 33.2311, 17.6163, 7.6101 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, 28, 71) }
```


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

```
.border{ border-color:rgb(227, 28, 71) }
```

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

Here you see how a box with a 4 pixel rgb(227, 28, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 28, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 28, 71);  
box-shadow:4px 4px 4px 4px rgb(227, 28,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2311, 17.6163, 7.6101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 28, 71) }
```

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

```
.background{ background-color: rgb(227, 28,  
71) }
```

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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