

Converting Colors

XYZ(33.6425, 19.9115, 4.7384)

Have a look what the booklet for
XYZ(33.6425, 19.9115, 4.7384)
contains.

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Color

**XYZ(33.6546, 19.9290,
4.7622)**

Conversions

Conversions Part 1

Format	Color
Hex	E23F2F
RGB	226, 63, 47
RGB Percent	89%, 25%, 18%
CMY	0.1137, 0.7529, 0.8157
CMYK	0.00, 0.72, 0.79, 0.11
HSL	5°, 76%, 54%
HSV	5°, 79%, 89%
XYZ	33.6546, 19.9290, 4.7622
YIQ	109.9130, 102.2840, 29.5800

Conversions

Conversions Part 2

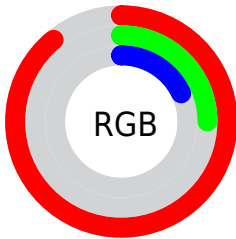
Format	Color
R_{YB}	226, 65, 47
Decimal	14827311
CIE Lab	51.76, 61.67, 46.36
CIE LCh	52, 77.154, 36.929
Yxy	19.9290, 0.5768, 0.3416
Android (android.graphics.Color)	4293017391 (0xFFE23F2F)
YUV	109.9130, -31.0161, 101.8083
Hunter-Lab	44.6419, 56.4441, 24.9245

Details

The XYZ color **33.6546, 19.9290, 4.7622** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **37.9433, 52.1825, 80.0233**, and the grayscale version is **14.8630, 15.6370, 17.0287**.

A 20% lighter version of the original color is **50.1429, 35.7610, 15.0862**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **32.3763, 17.9231, 2.6393**, and if you desaturate by 10%, it is **35.5953, 22.8830, 8.2693**.

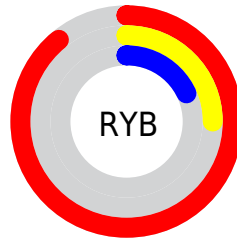
Distribution



Red (89%)

Green (25%)

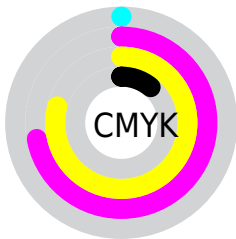
Blue (18%)



Red (89%)

Yellow (25%)

Blue (18%)

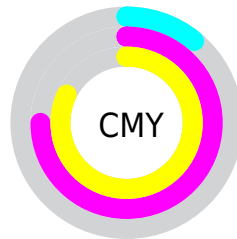


Cyan (0%)

Magenta (72%)

Yellow (79%)

Black (11%)



Cyan (11%)


Magenta (75%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6546, 19.9290, 4.7622 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 33.6546, 19.9290, 4.7622 by changing the saturation by 10% instead.

 33.6546, 19.9290,
4.7622


 33.6546, 19.9290,
4.7622

310.2023,
251.5305, 156.3539

 22.7900, 12.3434,
2.0521


 64.7440, 43.2981,
15.7326

 14.5584, 6.9780,
0.5871


 85.6996, 59.8505,
24.8301

 8.5943, 3.4484,
0.0000

 110.7496, 80.1605,
36.8937

 4.5325, 1.3700,
0.0000

 140.2592,
104.6127, 52.3421

 2.0076, 0.1945,
0.0000

 174.5940,
133.5914, 71.5938

 0.6382, 0.0000,
0.0000

 214.1192,

 0.0000, 0.0000,

167.4810, 95.0673

0.0000

259.2001,
206.6659, 123.1811

■ 33.6546, 19.9290,
4.7622

■ 33.6546, 19.9290,
4.7622

■ 32.3763, 17.9231,
2.6393

■ 35.5953, 22.8830,
8.2693

■ 31.6578, 16.7409,
1.6145


■ 38.2716, 26.8795,
13.3424


■ 31.6177, 16.6766,
1.5525


■ 41.7484, 32.0051,
20.1368


■ 46.0831, 38.3367,
28.7887

■ 51.3277, 45.9442,
39.4207

 57.5301, 54.8922,
52.1450

 64.7349, 65.2411,
67.0653

 72.9838, 77.0473,
84.2783

 82.3162, 90.3644,
103.8752

Harmonies

Analogous

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



38.0938, 19.9290, 16.9147



33.6546, 19.9290, 4.7622



25.4545, 19.9290, 1.3109

Triad

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



33.6546, 19.9290, 4.7622



8.2155, 19.9290, 8.8359



20.8114, 19.9290, 98.4739

Complementary

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



33.6546, 19.9290, 4.7622



37.9433, 52.1825, 80.0233

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.



13.6472, 19.9290, 90.1556



33.6546, 19.9290, 4.7622



7.6061, 19.9290, 27.3105

Square

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



33.6546, 19.9290, 4.7622



11.2782, 19.9290, 2.2827



9.2975, 19.9290, 59.1368



29.4689, 19.9290, 77.4037

Rectangle

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



33.6546, 19.9290, 4.7622



19.7575, 19.9290, 0.8525



9.2975, 19.9290, 59.1368



18.1491, 19.9290, 99.1672

Sweetspot

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



33.6550, 19.9302, 4.7625



71.4417, 66.1192, 59.9181



44.1485, 22.9090, 63.7773



14.6828, 13.2733, 11.5786



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.



33.6550, 19.9302, 4.7625



41.8951, 22.4566, 2.4988



43.0106, 38.6414, 7.8810



13.8053, 13.8966, 14.2615



18.0746, 9.5872, 0.8979



1.2873, 0.7335, 0.0737

Inverse Universe

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



37.9433, 52.1825, 80.0233



47.4450, 65.7691, 104.8018



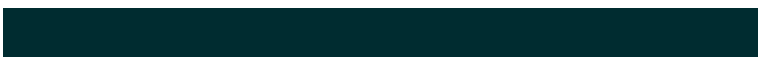
21.8082, 19.9123, 74.6449



14.0063, 15.3516, 17.6126



20.4390, 28.3476, 45.4427



1.4479, 2.0272, 3.1602

Previews

White Background



This preview shows how the XYZ color 33.6546, 19.9290, 4.7622 looks on a white 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

Black Background



This preview shows how the XYZ color 33.6546, 19.9290, 4.7622 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 33.6546, 19.9290, 4.7622

Background



This preview shows how black text looks on a background with the XYZ color 33.6546, 19.9290, 4.7622.



This preview shows how white text looks on a background with the XYZ color 33.6546, 19.9290,

4.7622.

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

33.6546, 19.9290, 4.7622

Protanopia

18.4496, 20.1038, 7.7585

Deuteranopia

20.4632, 20.1346, 4.2467



Tritanopia

33.9300, 19.8651, 6.7487

Trichromacy



Original Color

33.6546, 19.9290, 4.7622

Protanomaly

21.8773, 18.2432, 6.3712

Deuteranomaly

23.7736, 18.6991, 4.1900

Tritanomaly

33.8252, 19.9094, 5.9310

Monochromacy



Original Color

33.6546, 19.9290, 4.7622

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

18.5835, 15.1922, 10.9698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6546, 19.9290, 4.7622 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(226, 63, 47)` looks like.

```
.text, #text, p{  
    color:rgb(226, 63, 47)  
}
```

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(226, 63, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 63, 47) }
```

Border

The CSS property to change the border of an element to XYZ 33.6546, 19.9290, 4.7622 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(226, 63, 47) }
```


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

```
.border{ border-color:rgb(226, 63, 47) }
```

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

Here you see how a box with a 4 pixel rgb(226, 63, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 63, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 63, 47);  
box-shadow:4px 4px 4px 4px rgb(226, 63,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6546, 19.9290, 4.7622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 63, 47) }
```

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

```
.background{ background-color: rgb(226, 63,  
47) }
```

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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