

Converting Colors

XYZ(33.3898, 17.3538, 1.5898)

Have a look what the booklet for
XYZ(33.3898, 17.3538, 1.5898)
contains.

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Color

**XYZ(33.3764, 17.3512,
1.5900)**

Conversions

Conversions Part 1

Format	Color
Hex	E80900
RGB	232, 9, 0
RGB Percent	91%, 4%, 0%
CMY	0.0902, 0.9645, 1.0000
CMYK	0.00, 0.96, 1.00, 0.09
HSL	2°, 100%, 45%
HSV	2°, 100%, 91%
XYZ	33.3764, 17.3512, 1.5900
YIQ	74.6510, 135.7970, 44.4770

Conversions

Conversions Part 2

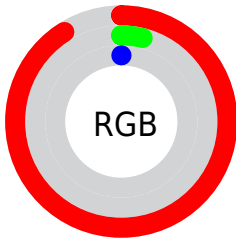
Format	Color
R _Y B	232, 9, 0
Decimal	15206656
CIE Lab	48.70, 73.88, 62.67
CIE LCh	49, 96.874, 40.307
Yxy	17.3512, 0.6380, 0.3317
Android (android.graphics.Color)	4293396736 (0xFFE80900)
YUV	74.6510, -36.8029, 137.9951
Hunter-Lab	41.6548, 70.1295, 26.8952

Details

The XYZ color **33.3764, 17.3512, 1.5900** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **40.9374, 58.5703, 85.4908**, and the grayscale version is **6.6778, 7.0256, 7.6508**.

A 20% lighter version of the original color is **45.8682, 29.3742, 6.9937**, and **15.5170, 7.9993, 0.7262** is the 20% darker color. If you saturate the color by 10%, you get **33.3767, 17.3523, 1.5902**, and if you desaturate by 10%, it is **33.9344, 18.2169, 2.5489**.

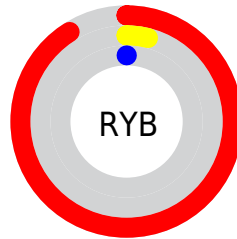
Distribution



Red (91%)

Green (4%)

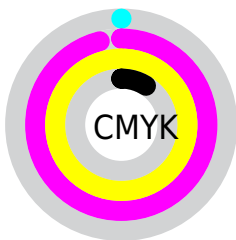
Blue (0%)



Red (91%)

Yellow (4%)

Blue (0%)

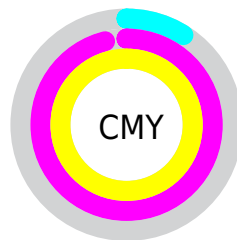


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (96%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3764, 17.3512, 1.5900 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 33.3764, 17.3512, 1.5900 by changing the saturation by 10% instead.


 33.3764, 17.3512,
1.5900


 33.3764, 17.3512,
1.5900

 308.9775,
237.1882, 115.6451


 22.5756, 10.4852,
0.2837


 64.3135, 38.9286,
7.8861


 14.3994, 5.7218,
0.0000


 85.1805, 54.4089,
13.8606

 8.4825, 2.6767,
0.0000


 110.1335, 73.5293,
22.2774

 4.4596, 0.9654,
0.0000

 139.5380, 96.6743,
33.5551

 1.9653, 0.0000,
0.0000

 173.7593,
124.2283, 48.1121

 0.6144, 0.0000,
0.0000


 213.1627,


 0.0000, 0.0000,


156.5757, 66.3671


0.0000


 258.1137,
194.1009, 88.7386


 33.3764, 17.3512,
1.5900


 33.3764, 17.3512,
1.5900


 33.3767, 17.3523,
1.5902

 33.9344, 18.2169,
2.5489

 35.0823, 19.9617,
4.6304

 36.9518, 22.7537,
8.1729

 39.6352, 26.7220,
13.3787

 43.2113, 31.9774,
20.4181

■ 47.7494, 38.6178,
29.4405

■ 53.3122, 46.7315,
40.5799

■ 59.9569, 56.3998,
53.9584

■ 67.7366, 67.6977,
69.6893

Harmonies

Analogous

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



39.8381, 17.3512, 11.3835



33.3764, 17.3512, 1.5900



22.9877, 17.3512, 0.0000

Triad

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



33.3764, 17.3512, 1.5900



5.0258, 17.3512, 6.6865



19.7618, 17.3512, 120.4790

Complementary

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



33.3764, 17.3512, 1.5900



40.9374, 58.5703, 85.4908

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.



11.3518, 17.3512, 113.4514



33.3764, 17.3512, 1.5900



4.7034, 17.3512, 29.1382

Square

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



33.3764, 17.3512, 1.5900



7.6854, 17.3512, 0.7054



6.5509, 17.3512, 71.9682



30.2946, 17.3512, 86.7729

Rectangle

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



33.3764, 17.3512, 1.5900



16.3999, 17.3512, 0.0000



6.5509, 17.3512, 71.9682



16.5840, 17.3512, 123.2285

Sweetspot

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



33.3768, 17.3523, 1.5902



65.9492, 57.7405, 50.0523



46.7691, 22.5519, 72.5982



13.4582, 11.4003, 9.3942



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.



33.3768, 17.3523, 1.5902



41.3481, 21.4761, 1.9660



40.4527, 31.5043, 3.9489



14.4219, 14.4577, 14.9349



18.5507, 9.6755, 0.8898



1.3869, 0.7470, 0.0711

Inverse Universe

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



40.9374, 58.5703, 85.4908



50.7158, 72.5517, 105.9386



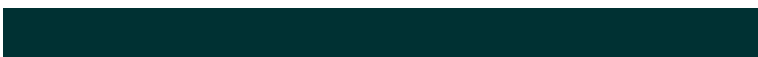
19.9562, 16.6077, 78.4971



14.7567, 16.2348, 18.5002



22.7496, 32.5613, 47.4691



1.6962, 2.4364, 3.5128

Previews

White Background



This preview shows how the XYZ color 33.3764, 17.3512, 1.5900 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



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 33.3764, 17.3512, 1.5900

Background



This preview shows how black text looks on a background with the XYZ color 33.3764, 17.3512, 1.5900.



This preview shows how white text looks on a background with the XYZ color 33.3764, 17.3512,

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

33.3764, 17.3512, 1.5900

Protanopia

16.1114, 17.7219, 3.7998

Deuteranopia

17.8972, 17.6648, 2.4664



Tritanopia

33.2232, 17.5253, 1.6317

Trichromacy



Original Color

33.3764, 17.3512, 1.5900

Protanomaly

18.9904, 13.8206, 2.2828

Deuteranomaly

21.0392, 14.4813, 1.6863

Tritanomaly

33.1554, 17.3898, 1.6091

Monochromacy



Original Color

33.3764, 17.3512, 1.5900

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.2330, 7.4866, 3.6493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3764, 17.3512, 1.5900 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(232, 9, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 9, 0)  
}
```

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(232, 9, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 9, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.3764, 17.3512, 1.5900 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(232, 9, 0) }
```


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

```
.border{ border-color:rgb(232, 9, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 9, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 9, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(232, 9, 0); box-shadow:4px  
4px 4px 4px rgb(232, 9, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3764, 17.3512, 1.5900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 9, 0) }
```

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

```
.background{ background-color: rgb(232, 9,  
0) }
```

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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