

Converting Colors

XYZ(32.6657, 17.1255, 1.5839)

Have a look what the booklet for
XYZ(32.6657, 17.1255, 1.5839)
contains.

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Color

**XYZ(32.8336, 17.2239,
1.5940)**

Conversions

Conversions Part 1

Format	Color
Hex	E61100
RGB	230, 17, 0
RGB Percent	90%, 7%, 0%
CMY	0.0980, 0.9332, 1.0000
CMYK	0.00, 0.93, 1.00, 0.10
HSL	4°, 100%, 45%
HSV	4°, 100%, 90%
XYZ	32.8336, 17.2239, 1.5940
YIQ	78.7490, 132.4050, 39.8690

Conversions

Conversions Part 2

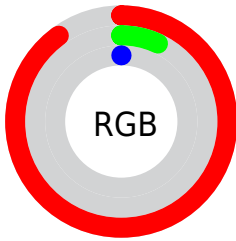
Format	Color
R_{YB}	230, 18, 0
Decimal	15077632
CIE Lab	48.54, 72.64, 62.35
CIE LCh	49, 95.727, 40.643
Yxy	17.2239, 0.6357, 0.3335
Android (android.graphics.Color)	4293267712 (0xFFE61100)
YUV	78.7490, -38.8233, 132.6471
Hunter-Lab	41.5017, 68.5903, 26.7740

Details

The XYZ color **32.8336, 17.2239, 1.5940** 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 **38.0670, 53.2815, 83.1404**, and the grayscale version is **7.4419, 7.8295, 8.5263**.

A 20% lighter version of the original color is **46.0460, 29.7299, 7.0529**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **32.8339, 17.2250, 1.5942**, and if you desaturate by 10%, it is **33.4914, 18.2925, 2.5762**.

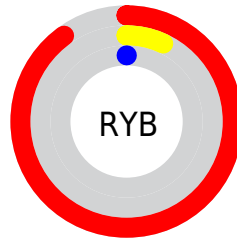
Distribution



Red (90%)

Green (7%)

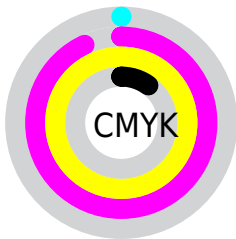
Blue (0%)



Red (90%)

Yellow (7%)

Blue (0%)

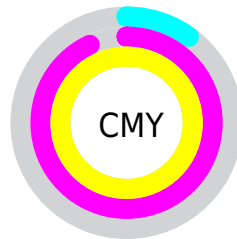


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8336, 17.2239, 1.5940 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 32.8336, 17.2239, 1.5940 by changing the saturation by 10% instead.

 32.8336, 17.2239,
1.5940


 32.8336, 17.2239,
1.5940


 306.5775,
236.4594, 115.7148


 22.1576, 10.3943,
0.2865


 63.4721, 38.7103,
7.8978

 14.0900, 5.6611,
0.0000


 84.1653, 54.1359,
13.8775


 8.2654, 2.6401,
0.0000


 108.9283, 73.1956,
22.3006


 4.3185, 0.9469,
0.0000

 138.1264, 96.2738,
33.5856

 1.8838, 0.0000,
0.0000

 172.1251,
123.7549, 48.1509


 0.5674, 0.0000,
0.0000


 211.2895,


 0.0000, 0.0000,


156.0232, 66.4152


0.0000


 255.9853,
193.4633, 88.7970


 32.8336, 17.2239,
1.5940


 32.8336, 17.2239,
1.5940


 32.8339, 17.2250,
1.5942

 33.4914, 18.2925,
2.5762

 34.7227, 20.2134,
4.6563

 36.6441, 23.1267,
8.1628

 39.3381, 27.1424,
13.2909

 42.8750, 32.3559,
20.2052

■ 47.3176, 38.8524,
29.0501

■ 52.7224, 46.7092,
39.9552

■ 59.1415, 55.9974,
53.0388

■ 66.6232, 66.7835,
68.4104

Harmonies

Analogous

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



39.2299, 17.2239, 11.1600



32.8336, 17.2239, 1.5940



22.6354, 17.2239, 0.0000

Triad

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



32.8336, 17.2239, 1.5940



5.0426, 17.2239, 6.8511



19.6946, 17.2239, 117.8707

Complementary

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



32.8336, 17.2239, 1.5940



38.0670, 53.2815, 83.1404

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.



11.3839, 17.2239, 111.5065



32.8336, 17.2239, 1.5940



4.7455, 17.2239, 29.1882

Square

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



32.8336, 17.2239, 1.5940



7.6460, 17.2239, 0.7729



6.6043, 17.2239, 71.2420



30.0298, 17.2239, 84.6668

Rectangle

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



32.8336, 17.2239, 1.5940



16.1819, 17.2239, 0.0000



6.6043, 17.2239, 71.2420



16.5612, 17.2239, 120.7186

Sweetspot

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



32.8340, 17.2250, 1.5942



66.5015, 58.8451, 50.2364



44.8557, 21.7120, 65.8919



13.5834, 11.6507, 9.4360



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.



32.8340, 17.2250, 1.5942



41.4710, 21.7221, 2.0070



40.6599, 32.8769, 4.2029



14.4623, 14.5386, 14.9484



18.6218, 9.8178, 0.9136



1.4063, 0.7858, 0.0776

Inverse Universe

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



38.0670, 53.2815, 83.1404



48.0767, 67.2734, 105.0589



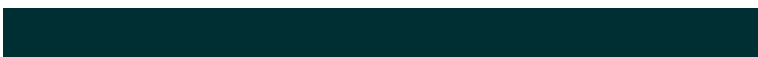
18.8081, 14.7636, 76.7207



14.7113, 16.1440, 18.4851



21.5911, 30.2444, 47.0829



1.6229, 2.2898, 3.4884

Previews

White Background



This preview shows how the XYZ color 32.8336, 17.2239, 1.5940 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 32.8336, 17.2239, 1.5940

Background



This preview shows how black text looks on a background with the XYZ color 32.8336, 17.2239, 1.5940.



This preview shows how white text looks on a background with the XYZ color 32.8336, 17.2239,

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

32.8336, 17.2239, 1.5940

Protanopia

15.9431, 17.6366, 3.7263

Deuteranopia

17.7171, 17.5719, 2.4579



Tritanopia

32.5813, 17.1943, 1.6016

Trichromacy



Original Color

32.8336, 17.2239, 1.5940

Protanomaly

18.9880, 14.1440, 2.3016

Deuteranomaly

20.7853, 14.6549, 1.7332

Tritanomaly

32.5633, 17.1583, 1.5956

Monochromacy



Original Color

32.8336, 17.2239, 1.5940

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

11.8214, 8.1270, 3.9632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8336, 17.2239, 1.5940 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(230, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 17, 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(230, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 17, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.8336, 17.2239, 1.5940 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(230, 17, 0) }
```


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

```
.border{ border-color:rgb(230, 17, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 17, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 17, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 17, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 17, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.8336, 17.2239, 1.5940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 17, 0) }
```

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

```
.background{ background-color: rgb(230, 17,  
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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