

Converting Colors

XYZ(32.0590, 16.4812, 3.5680)

Have a look what the booklet for
XYZ(32.0590, 16.4812, 3.5680)
contains.

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Color

**XYZ(32.0788, 16.4910,
3.5902)**

Conversions

Conversions Part 1

Format	Color
Hex	E30029
RGB	227, 0, 41
RGB Percent	89%, 0%, 16%
CMY	0.1098, 0.9998, 0.8392
CMYK	0.00, 1.00, 0.82, 0.11
HSL	349°, 100%, 45%
HSV	349°, 100%, 89%
XYZ	32.0788, 16.4910, 3.5902
YIQ	72.5470, 122.1310, 60.8750

Conversions

Conversions Part 2

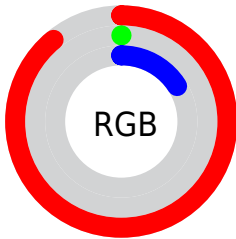
Format	Color
RYB	227, 0, 41
Decimal	14876713
CIELab	47.61, 73.93, 45.54
CIElCh	48, 86.832, 31.634
Yxy	16.4910, 0.6150, 0.3162
Android (android.graphics.Color)	4293066793 (0xFFE30029)
YUV	72.5470, -15.5527, 135.4553
Hunter-Lab	40.6091, 69.9385, 23.1846

Details

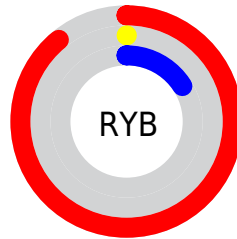
The XYZ color **32.0788, 16.4910, 3.5902** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **36.3381, 58.4855, 55.8576**, and the grayscale version is **6.2705, 6.5970, 7.1842**.

A 20% lighter version of the original color is **46.7014, 29.4303, 12.2360**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **32.0778, 16.4906, 3.5861**, and if you desaturate by 10%, it is **32.7851, 17.2559, 5.8232**.

Distribution



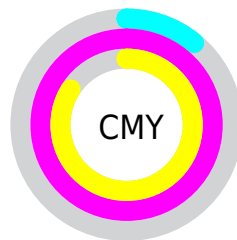
- Red (89%)
- Green (0%)
- Blue (16%)



- Red (89%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0788, 16.4910, 3.5902 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 32.0788, 16.4910, 3.5902 by changing the saturation by 10% instead.

 32.0788, 16.4910,
3.5902


 32.0788, 16.4910,
3.5902


303.2170,
232.2218, 143.5553


 21.5775, 9.8723,
1.4033


 62.2990, 37.4485,
13.0530


 13.6617, 5.3143,
0.1443


 82.7486, 52.5561,
21.1661

 7.9659, 2.4329,
0.0000


 107.2450, 71.2621,
32.0916

 4.1247, 0.8427,
0.0000

 136.1536, 93.9509,
46.2482

 1.7729, 0.0000,
0.0000

 169.8398,
121.0068, 64.0543

 0.5013, 0.0000,
0.0000

 208.6688,

 0.0000, 0.0000,

152.8144, 85.9285

0.0000

253.0061,
189.7579, 112.2893

■ 32.0788, 16.4910,
3.5902

■ 32.0788, 16.4910,
3.5902

■ 32.0778, 16.4906,
3.5861

■ 32.7851, 17.2559,
5.8232

■ 34.0168, 18.7955,
9.0822

■ 35.9038, 21.3433,
13.4911

■ 38.5256, 25.0355,
19.1479

■ 41.9501, 29.9870,
26.1395

■ 46.2373, 36.2984,
34.5449

■ 51.4413, 44.0604,
44.4369

■ 57.6118, 53.3557,
55.8832

■ 64.7948, 64.2607,
68.9471

Harmonies

Analogous

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



35.7688, 16.4910, 16.7669



32.0788, 16.4910, 3.5902



23.8670, 16.4910, 0.3973

Triad

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



32.0788, 16.4910, 3.5902



5.8830, 16.4910, 4.3597



16.1027, 16.4910, 103.2238

Complementary

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



32.0788, 16.4910, 3.5902



36.3381, 58.4855, 55.8576

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.



9.6104, 16.4910, 87.6977



32.0788, 16.4910, 3.5902



5.0037, 16.4910, 19.1998

Square

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



32.0788, 16.4910, 3.5902



9.0892, 16.4910, 0.5705



6.1068, 16.4910, 50.8986



24.8538, 16.4910, 84.2430

Rectangle

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



32.0788, 16.4910, 3.5902



17.9422, 16.4910, 0.0000



6.1068, 16.4910, 50.8986



13.6059, 16.4910, 101.8295

Sweetspot

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



32.0792, 16.4921, 3.5904



66.8080, 57.1193, 57.5490



33.9681, 15.9104, 73.9532



13.6547, 11.2611, 11.1004



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.



32.0792, 16.4921, 3.5904



41.7333, 21.4573, 4.5277



33.9908, 20.9553, 2.2548



14.4826, 14.4102, 15.4760



18.7386, 9.6296, 2.2523



1.4157, 0.7240, 0.3294

Inverse Universe

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



32.0792, 16.4921, 3.5904



41.7333, 21.4573, 4.5277



25.6093, 29.0335, 76.9268



14.4826, 14.4102, 15.4760



18.7386, 9.6296, 2.2523



1.4157, 0.7240, 0.3294

Previews

White Background



This preview shows how the XYZ color 32.0788, 16.4910, 3.5902 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 32.0788, 16.4910, 3.5902 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 32.0788, 16.4910, 3.5902

Background



This preview shows how black text looks on a background with the XYZ color 32.0788, 16.4910, 3.5902.



This preview shows how white text looks on a background with the XYZ color 32.0788, 16.4910,

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

32.0788, 16.4910, 3.5902

Protanopia

15.6891, 17.0787, 7.4707

Deuteranopia

17.2811, 17.0112, 3.0821



Tritanopia

31.6142, 16.6691, 1.5512

Trichromacy



Original Color

32.0788, 16.4910, 3.5902

Protanomaly

18.2006, 12.8371, 5.2599

Deuteranomaly

20.0169, 13.4540, 2.6405

Tritanomaly

31.5942, 16.4911, 1.9698

Monochromacy



Original Color

32.0788, 16.4910, 3.5902

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.8726, 6.9580, 5.1849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0788, 16.4910, 3.5902 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 41) }
```

Border

The CSS property to change the border of an element to XYZ 32.0788, 16.4910, 3.5902 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, 41) }
```


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

```
.border{ border-color:rgb(227, 0, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.0788, 16.4910, 3.5902 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, 41) }
```

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

```
.background{ background-color: rgb(227, 0,  
41) }
```

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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