

Converting Colors

XYZ(32.4816, 16.7439, 1.5657)

Have a look what the booklet for
XYZ(32.4816, 16.7439, 1.5657)
contains.

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Color

**XYZ(32.3241, 16.6624,
1.5699)**

Conversions

Conversions Part 1

Format	Color
Hex	E50002
RGB	229, 0, 2
RGB Percent	90%, 0%, 1%
CMY	0.1020, 0.9998, 0.9922
CMYK	0.00, 1.00, 0.99, 0.10
HSL	359°, 100%, 45%
HSV	359°, 100%, 90%
XYZ	32.3241, 16.6624, 1.5699
YIQ	68.6990, 135.8420, 49.1700

Conversions

Conversions Part 2

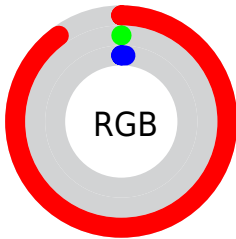
Format	Color
RYB	229, 0, 2
Decimal	15007746
CIELab	47.83, 73.87, 61.38
CIELCh	48, 96.040, 39.723
Yxy	16.6624, 0.6394, 0.3296
Android (android.graphics.Color)	4293197826 (0xFFE50002)
YUV	68.6990, -32.8826, 140.5840
Hunter-Lab	40.8196, 69.9157, 26.2935

Details

The XYZ color **32.3241, 16.6624, 1.5699** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **41.8924, 61.5877, 82.3918**, and the grayscale version is **5.6487, 5.9429, 6.4718**.

A 20% lighter version of the original color is **45.7196, 29.0376, 7.0660**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.3236, 16.6622, 1.5684**, and if you desaturate by 10%, it is **32.7907, 17.3378, 2.5214**.

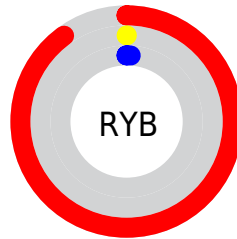
Distribution



Red (90%)

Green (0%)

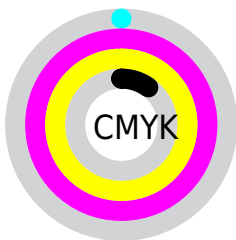
Blue (1%)



Red (90%)

Yellow (0%)

Blue (1%)

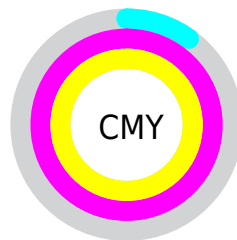


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3241, 16.6624, 1.5699 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 32.3241, 16.6624, 1.5699 by changing the saturation by 10% instead.

 32.3241, 16.6624,
1.5699


 32.3241, 16.6624,
1.5699


 304.3121,
233.2193, 115.2938


 21.7659, 9.9941,
0.2692


 62.6806, 37.7444,
7.8276


 13.8006, 5.3950,
0.0000


 83.2096, 52.9269,
13.7753

 8.0629, 2.4809,
0.0000


 107.7930, 71.7162,
22.1603

 4.1874, 0.8670,
0.0000

 136.7960, 94.4968,
33.4011

 1.8087, 0.0000,
0.0000

 170.5841,
121.6530, 47.9164

 0.5229, 0.0000,
0.0000


 209.5226,


 0.0000, 0.0000,


153.5692, 66.1245


0.0000


 253.9768,
190.6298, 88.4441


 32.3241, 16.6624,
1.5699


 32.3241, 16.6624,
1.5699


 32.3236, 16.6622,
1.5684

 32.7907, 17.3378,
2.5214

 33.8056, 18.8091,
4.5817

 35.5351, 21.3277,
8.0573

 38.0781, 25.0396,
13.1407

 41.5179, 30.0680,
19.9945

■ 45.9276, 36.5204,
28.7615

■ 51.3727, 44.4935,
39.5698

■ 57.9132, 54.0756,
52.5367

■ 65.6043, 65.3479,
67.7703

Harmonies

Analogous

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



38.4522, 16.6624, 11.2453



32.3241, 16.6624, 1.5699



22.3080, 16.6624, 0.0000

Triad

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



32.3241, 16.6624, 1.5699



4.8182, 16.6624, 6.1583



18.8063, 16.6624, 116.7674

Complementary

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



32.3241, 16.6624, 1.5699



41.8924, 61.5877, 82.3918

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.



10.7568, 16.6624, 109.1167



32.3241, 16.6624, 1.5699



4.4698, 16.6624, 27.4041

Square

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



32.3241, 16.6624, 1.5699



7.4269, 16.6624, 0.6012



6.1995, 16.6624, 68.5713



28.9759, 16.6624, 84.6803

Rectangle

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



32.3241, 16.6624, 1.5699



15.9175, 16.6624, 0.0000



6.1995, 16.6624, 68.5713



15.7570, 16.6624, 119.1419

Sweetspot

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



32.3244, 16.6635, 1.5701



65.4119, 56.5609, 50.1972



45.2520, 21.6954, 75.9309



13.3369, 11.1340, 9.4268



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.



32.3244, 16.6635, 1.5701



41.2519, 21.2647, 1.9925



37.9662, 27.9640, 3.3981



14.3820, 14.3700, 14.9459



18.4834, 9.5276, 0.9084



1.3676, 0.7048, 0.0764

Inverse Universe

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



32.3244, 16.6635, 1.5701



41.2519, 21.2647, 1.9925



20.6623, 18.6952, 76.6478



14.3820, 14.3700, 14.9459



18.4834, 9.5276, 0.9084



1.3676, 0.7048, 0.0764

Previews

White Background



This preview shows how the XYZ color 32.3241, 16.6624, 1.5699 looks on a white background.

Color Contrast Check

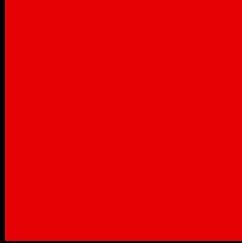
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3241, 16.6624, 1.5699 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 32.3241, 16.6624, 1.5699

Background



This preview shows how black text looks on a background with the XYZ color 32.3241, 16.6624, 1.5699.



This preview shows how white text looks on a background with the XYZ color 32.3241, 16.6624,

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

32.3241, 16.6624, 1.5699

Protanopia

15.6857, 17.3303, 3.7467

Deuteranopia

17.4300, 17.2629, 2.4134

Trichromacy



Original Color

32.3241, 16.6624, 1.5699

Protanomaly

18.3009, 13.0551, 2.2171

Deuteranomaly

20.1001, 13.6126, 1.5968

Monochromacy



Original Color

32.3241, 16.6624, 1.5699

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

10.1267, 6.5029, 3.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3241, 16.6624, 1.5699 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(229, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 2)  
}
```

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(229, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 2) }
```

Border

The CSS property to change the border of an element to XYZ 32.3241, 16.6624, 1.5699 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(229, 0, 2) }
```

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

```
.border{ border-color:rgb(229, 0, 2) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(229, 0, 2); box-shadow:4px  
4px 4px 4px rgb(229, 0, 2) }
```


Background

The CSS property to change the background color of an element to XYZ 32.3241, 16.6624, 1.5699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 2) }
```

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

```
.background{ background-color: rgb(229, 0,  
2) }
```

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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