

Converting Colors

XYZ(32.4787, 16.7427, 1.5505)

Have a look what the booklet for
XYZ(32.4787, 16.7427, 1.5505)
contains.

XYZ(32.3186, 16.6602, 1.5411)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.3186, 16.6602,
1.5411)**

Conversions

Conversions Part 1

Format	Color
Hex	E50001
RGB	229, 0, 1
RGB Percent	90%, 0%, 0%
CMY	0.1020, 0.9998, 0.9961
CMYK	0.00, 1.00, 1.00, 0.10
HSL	360°, 100%, 45%
HSV	360°, 100%, 90%
XYZ	32.3186, 16.6602, 1.5411
YIQ	68.5850, 136.1630, 48.8590

Conversions

Conversions Part 2

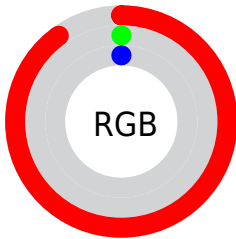
Format	Color
RYB	229, 0, 1
Decimal	15007745
CIELab	47.83, 73.86, 61.67
CIELCh	48, 96.223, 39.861
Yxy	16.6602, 0.6397, 0.3298
Android (android.graphics.Color)	4293197825 (0xFFE50001)
YUV	68.5850, -33.3194, 140.6840
Hunter-Lab	40.8169, 69.9057, 26.3333

Details

The XYZ color **32.3186, 16.6602, 1.5411** 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 **42.0307, 61.6429, 83.1199**, and the grayscale version is **5.6308, 5.9240, 6.4513**.

A 20% lighter version of the original color is **45.6949, 29.0277, 6.9359**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.3180, 16.6600, 1.5395**, and if you desaturate by 10%, it is **32.7812, 17.3340, 2.4717**.

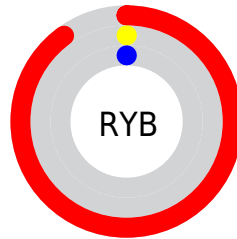
Distribution



Red (90%)

Green (0%)

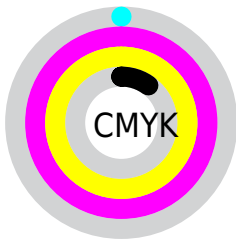
Blue (0%)



Red (90%)

Yellow (0%)

Blue (0%)

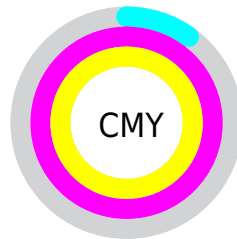


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3186, 16.6602, 1.5411 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 32.3186, 16.6602, 1.5411 by changing the saturation by 10% instead.


 32.3186, 16.6602,
1.5411


 32.3186, 16.6602,
1.5411


 304.2876,
233.2065, 114.7863


 21.7617, 9.9925,
0.2483


 62.6720, 37.7406,
7.7433


 13.7975, 5.3940,
0.0000


 83.1993, 52.9221,
13.6524

 8.0607, 2.4802,
0.0000


 107.7807, 71.7104,
21.9915

 4.1860, 0.8667,
0.0000

 136.7816, 94.4898,
33.1791

 1.8079, 0.0000,
0.0000

 170.5674,
121.6447, 47.6339


 0.5224, 0.0000,
0.0000


 209.5035,


 0.0000, 0.0000,


153.5595, 65.7743


0.0000


 253.9551,
190.6187, 88.0190


 32.3186, 16.6602,
1.5411


 32.3186, 16.6602,
1.5411


 32.3180, 16.6600,
1.5395

 32.7812, 17.3340,
2.4717

 33.7895, 18.8027,
4.4969

 35.5131, 21.3189,
7.9416

 38.0517, 25.0291,
13.0019

 41.4890, 30.0565,
19.8428

■ 45.8986, 36.5088,
28.6092

■ 51.3464, 44.4830,
39.4311

■ 57.8924, 54.0673,
52.4269

■ 65.5922, 65.3431,
67.7065

Harmonies

Analogous

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



38.4923, 16.6602, 11.1507



32.3186, 16.6602, 1.5411



22.2719, 16.6602, 0.0000

Triad

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



32.3186, 16.6602, 1.5411



4.7977, 16.6602, 6.1943



18.8541, 16.6602, 117.0000

Complementary

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



32.3186, 16.6602, 1.5411



42.0307, 61.6429, 83.1199

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.



10.7758, 16.6602, 109.5204



32.3186, 16.6602, 1.5411



4.4585, 16.6602, 27.5699

Square

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



32.3186, 16.6602, 1.5411



7.3950, 16.6602, 0.6014



6.1991, 16.6602, 68.9197



29.0490, 16.6602, 84.6629

Rectangle

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



32.3186, 16.6602, 1.5411



15.8754, 16.6602, 0.0000



6.1991, 16.6602, 68.9197



15.7947, 16.6602, 119.4521

Sweetspot

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



32.3189, 16.6613, 1.5413



65.3782, 56.5474, 50.0195



45.2519, 21.6954, 75.9308



13.3293, 11.1309, 9.3867



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.



32.3189, 16.6613, 1.5413



41.2458, 21.2623, 1.9604



37.9662, 27.9640, 3.3981



14.3794, 14.3690, 14.9326



18.4791, 9.5259, 0.8859



1.3664, 0.7043, 0.0700

Inverse Universe

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



32.3189, 16.6613, 1.5413



41.2458, 21.2623, 1.9604



20.6623, 18.6952, 76.6477



14.3794, 14.3690, 14.9326



18.4791, 9.5259, 0.8859



1.3664, 0.7043, 0.0700

Previews

White Background



This preview shows how the XYZ color 32.3186, 16.6602, 1.5411 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 32.3186, 16.6602, 1.5411 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 32.3186, 16.6602, 1.5411

Background



This preview shows how black text looks on a background with the XYZ color 32.3186, 16.6602, 1.5411.



This preview shows how white text looks on a background with the XYZ color 32.3186, 16.6602,

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

32.3186, 16.6602, 1.5411

Protanopia

15.6857, 17.3303, 3.7467

Deuteranopia

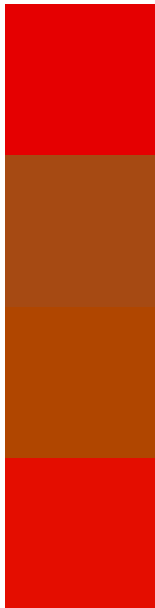
17.4300, 17.2629, 2.4134



Tritanopia

31.9467, 16.8672, 1.5719

Trichromacy



Original Color

32.3186, 16.6602, 1.5411

Protanomaly

18.2922, 13.0516, 2.1712

Deuteranomaly

20.0947, 13.6104, 1.5680

Tritanomaly

32.1388, 16.7818, 1.5453

Monochromacy



Original Color

32.3186, 16.6602, 1.5411

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

10.1077, 6.4952, 3.1038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3186, 16.6602, 1.5411 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 1) }
```

Border

The CSS property to change the border of an element to XYZ 32.3186, 16.6602, 1.5411 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, 1) }
```


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

```
.border{ border-color:rgb(229, 0, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(229, 0, 1); box-shadow:4px  
4px 4px 4px rgb(229, 0, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3186, 16.6602, 1.5411 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, 1) }
```

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

```
.background{ background-color: rgb(229, 0,  
1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor