

Converting Colors

XYZ(32.6561, 16.8137, 2.4846)

Have a look what the booklet for
XYZ(32.6561, 16.8137, 2.4846)
contains.

XYZ(32.4996, 16.7326, 2.4941)	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(32.4996, 16.7326,
2.4941)**

Conversions

Conversions Part 1

Format	Color
Hex	E5001A
RGB	229, 0, 26
RGB Percent	90%, 0%, 10%
CMY	0.1020, 0.9998, 0.8980
CMYK	0.00, 1.00, 0.89, 0.10
HSL	353°, 100%, 45%
HSV	353°, 100%, 90%
XYZ	32.4996, 16.7326, 2.4941
YIQ	71.4350, 128.1380, 56.6340

Conversions

Conversions Part 2

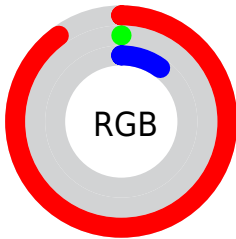
Format	Color
RYB	229, 0, 26
Decimal	15007770
CIELab	47.92, 74.11, 53.41
CIELCh	48, 91.353, 35.778
Yxy	16.7326, 0.6283, 0.3235
Android (android.graphics.Color)	4293197850 (0xFFE5001A)
YUV	71.4350, -22.3995, 138.1845
Hunter-Lab	40.9055, 70.2344, 25.0188

Details

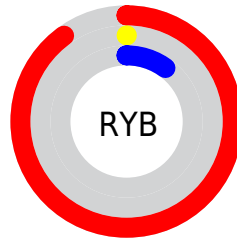
The XYZ color **32.4996, 16.7326, 2.4941** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **38.8056, 60.3529, 66.1370**, and the grayscale version is **6.0897, 6.4068, 6.9770**.

A 20% lighter version of the original color is **46.1837, 29.2232, 9.5098**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.4988, 16.7323, 2.4913**, and if you desaturate by 10%, it is **33.1176, 17.4686, 4.2427**.

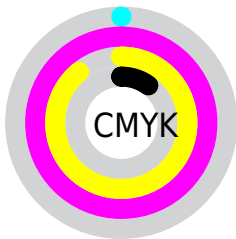
Distribution



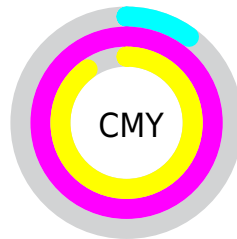
- Red (90%)
- Green (0%)
- Blue (10%)



- Red (90%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4996, 16.7326, 2.4941 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 32.4996, 16.7326, 2.4941 by changing the saturation by 10% instead.


 32.4996, 16.7326,
2.4941


 32.4996, 16.7326,
2.4941


305.0939,
233.6267, 129.6307


 21.9008, 10.0440,
0.8370


 62.9534, 37.8654,
10.3523


 13.9002, 5.4282,
0.0000


 83.5391, 53.0785,
17.3960


 8.1325, 2.5006,
0.0000


 108.1845, 71.9019,
27.0741

 4.2324, 0.8769,
0.0000

 137.2549, 94.7199,
39.8053

 1.8344, 0.0000,
0.0000

 171.1157,
121.9170, 56.0080


 0.5383, 0.0000,
0.0000


 210.1322,


 0.0000, 0.0000,


153.8776, 76.1007


0.0000


 254.6698,
190.9860, 100.5021


 32.4996, 16.7326,
2.4941

 32.4996, 16.7326,
2.4941

 32.4988, 16.7323,
2.4913

 33.1176, 17.4686,
4.2427

 34.2857, 19.0011,
7.1096

 36.1428, 21.5707,
11.2573

 38.7756, 25.3186,
16.8139

 42.2579, 30.3640,
23.8919

■ 46.6550, 36.8113,
32.5924

■ 52.0255, 44.7546,
43.0076

■ 58.4233, 54.2795,
55.2228

■ 65.8981, 65.4654,
69.3178

Harmonies

Analogous

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



37.4056, 16.7326, 14.0278



32.4996, 16.7326, 2.4941



23.3169, 16.7326, 0.0000

Triad

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



32.4996, 16.7326, 2.4941



5.3997, 16.7326, 5.2361



17.5502, 16.7326, 110.6859

Complementary

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



32.4996, 16.7326, 2.4941



38.8056, 60.3529, 66.1370

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.



10.2565, 16.7326, 98.6382



32.4996, 16.7326, 2.4941



4.7859, 16.7326, 23.1714

Square

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



32.4996, 16.7326, 2.4941



8.3321, 16.7326, 0.5949



6.2125, 16.7326, 59.6165



27.0612, 16.7326, 85.2325

Rectangle

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



32.4996, 16.7326, 2.4941



17.0971, 16.7326, 0.0000



6.2125, 16.7326, 59.6165



14.7674, 16.7326, 111.0434

Sweetspot

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



32.5000, 16.7337, 2.4943



66.2479, 56.8953, 54.5993



38.5788, 18.2552, 75.6186



13.5265, 11.2098, 10.4252



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.



32.5000, 16.7337, 2.4943



41.4605, 21.3482, 3.0913



35.7879, 23.6074, 2.6720



14.4431, 14.3944, 15.2677



18.6034, 9.5756, 1.5403



1.3969, 0.7165, 0.2306

Inverse Universe

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



32.5000, 16.7337, 2.4943



41.4605, 21.3482, 3.0913



23.7033, 24.7772, 77.6615



14.4431, 14.3944, 15.2677



18.6034, 9.5756, 1.5403



1.3969, 0.7165, 0.2306

Previews

White Background



This preview shows how the XYZ color 32.4996, 16.7326, 2.4941 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 32.4996, 16.7326, 2.4941 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 32.4996, 16.7326, 2.4941

Background



This preview shows how black text looks on a background with the XYZ color 32.4996, 16.7326, 2.4941.



This preview shows how white text looks on a background with the XYZ color 32.4996, 16.7326,

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

32.4996, 16.7326, 2.4941

Protanopia

15.7918, 17.3552, 5.1023

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

32.2631, 17.0303, 1.5867

Trichromacy



Original Color

32.4996, 16.7326, 2.4941

Protanomaly

18.3320, 13.0434, 3.4709

Deuteranomaly

20.1440, 13.6301, 1.8276

Tritanomaly

32.1881, 16.8016, 1.8050

Monochromacy



Original Color

32.4996, 16.7326, 2.4941

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.5301, 6.7418, 4.3607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4996, 16.7326, 2.4941 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, 26)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 26) }
```

Border

The CSS property to change the border of an element to XYZ 32.4996, 16.7326, 2.4941 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, 26) }
```


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

```
.border{ border-color:rgb(229, 0, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.4996, 16.7326, 2.4941 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, 26) }
```

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

```
.background{ background-color: rgb(229, 0,  
26) }
```

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