

Converting Colors

XYZ(32.9031, 16.9125, 3.7851)

Have a look what the booklet for
XYZ(32.9031, 16.9125, 3.7851)
contains.

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Color

**XYZ(32.7491, 16.8324,
3.8084)**

Conversions

Conversions Part 1

Format	Color
Hex	E5002B
RGB	229, 0, 43
RGB Percent	90%, 0%, 17%
CMY	0.1020, 0.9998, 0.8314
CMYK	0.00, 1.00, 0.81, 0.10
HSL	349°, 100%, 45%
HSV	349°, 100%, 90%
XYZ	32.7491, 16.8324, 3.8084
YIQ	73.3730, 122.6810, 61.9210

Conversions

Conversions Part 2

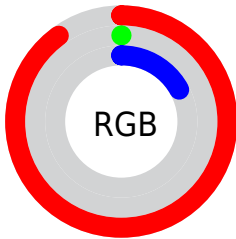
Format	Color
R_{YB}	229, 0, 43
Decimal	15007787
CIE _{Lab}	48.05, 74.46, 45.02
CIE _{LCh}	48, 87.012, 31.159
Yxy	16.8324, 0.6134, 0.3153
Android (android.graphics.Color)	4293197867 (0xFFE5002B)
YUV	73.3730, -14.9739, 136.4849
Hunter-Lab	41.0273, 70.6857, 23.2155

Details

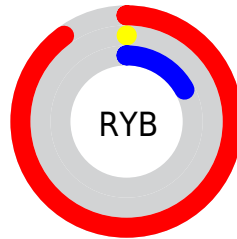
The XYZ color **32.7491, 16.8324, 3.8084** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **36.8884, 59.5859, 56.0413**, and the grayscale version is **6.4138, 6.7478, 7.3484**.

A 20% lighter version of the original color is **46.8265, 29.4804, 12.8951**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **32.7481, 16.8320, 3.8041**, and if you desaturate by 10%, it is **33.4770, 17.6123, 6.1358**.

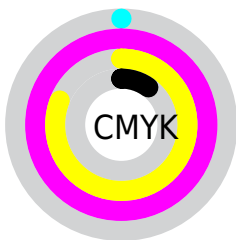
Distribution



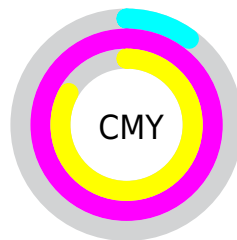
- Red (90%)
- Green (0%)
- Blue (17%)



- Red (90%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7491, 16.8324, 3.8084 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 32.7491, 16.8324, 3.8084 by changing the saturation by 10% instead.


 32.7491, 16.8324,
3.8084


 32.7491, 16.8324,
3.8084


306.2027,
234.2047, 146.0713

 22.0926, 10.1151,
1.5208


 63.3409, 38.0374,
13.5654


 14.0420, 5.4753,
0.2334


 84.0070, 53.2938,
21.8719


 8.2318, 2.5288,
0.0000


 108.7403, 72.1654,
33.0218

 4.2966, 0.8910,
0.0000

 137.9061, 95.0366,
47.4337

 1.8713, 0.0000,
0.0000

 171.8700,
122.2917, 65.5260

 0.5601, 0.0000,
0.0000

 210.9971,

 0.0000, 0.0000,

154.3152, 87.7174

0.0000

255.6529,
191.4914, 114.4263

■ 32.7491, 16.8324,
3.8084

■ 32.7491, 16.8324,
3.8084

■ 32.7481, 16.8320,
3.8041

■ 33.4770, 17.6123,
6.1358

■ 34.7398, 19.1828,
9.5016

■ 36.6691, 21.7813,
14.0292

■ 39.3456, 25.5466,
19.8159

■ 42.8383, 30.5961,
26.9485

■ 47.2082, 37.0326,
35.5059

■ 52.5103, 44.9485,
45.5606

■ 58.7949, 54.4282,
57.1802

■ 66.1089, 65.5497,
70.4281

Harmonies

Analogous

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



36.3895, 16.8324, 17.4654



32.7491, 16.8324, 3.8084



24.4616, 16.8324, 0.4630

Triad

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



32.7491, 16.8324, 3.8084



6.0694, 16.8324, 4.3660



16.3066, 16.8324, 104.7262

Complementary

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



32.7491, 16.8324, 3.8084



36.8884, 59.5859, 56.0413

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.



9.7547, 16.8324, 88.4974



32.7491, 16.8324, 3.8084



5.1397, 16.8324, 19.2178

Square

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



32.7491, 16.8324, 3.8084



9.3786, 16.8324, 0.5861



6.2312, 16.8324, 51.1248



25.1716, 16.8324, 86.0179

Rectangle

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



32.7491, 16.8324, 3.8084



18.4382, 16.8324, 0.0000



6.2312, 16.8324, 51.1248



13.7845, 16.8324, 103.1175

Sweetspot

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



32.7495, 16.8335, 3.8086



66.8690, 57.1437, 57.8698



33.7218, 15.7514, 75.3911



13.6687, 11.2667, 11.1741



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.



32.7495, 16.8335, 3.8086



41.7701, 21.4720, 4.7213



34.4252, 20.8821, 2.2178



14.4869, 14.4119, 15.4983



18.7564, 9.6368, 2.3461



1.4177, 0.7248, 0.3399

Inverse Universe

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



32.7495, 16.8335, 3.8086



41.7701, 21.4720, 4.7213



26.7690, 30.9087, 78.6832



14.4869, 14.4119, 15.4983



18.7564, 9.6368, 2.3461



1.4177, 0.7248, 0.3399

Previews

White Background



This preview shows how the XYZ color 32.7491, 16.8324, 3.8084 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 32.7491, 16.8324, 3.8084

Background



This preview shows how black text looks on a background with the XYZ color 32.7491, 16.8324, 3.8084.



This preview shows how white text looks on a background with the XYZ color 32.7491, 16.8324,

3.8084.

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

32.7491, 16.8324, 3.8084

Protanopia

16.0109, 17.4081, 7.8264

Deuteranopia

17.5949, 17.3288, 3.2816



Tritanopia

32.2451, 16.9943, 1.5807

Trichromacy



Original Color

32.7491, 16.8324, 3.8084



Protanomaly

18.5223, 13.0956, 5.5544



Deuteranomaly

20.3420, 13.7094, 2.8704



Tritanomaly

32.2324, 16.8192, 2.0378

Monochromacy



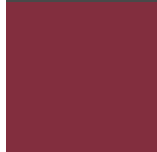
Original Color

32.7491, 16.8324, 3.8084



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

11.0524, 7.0476, 5.3352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7491, 16.8324, 3.8084 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, 43)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 32.7491, 16.8324, 3.8084 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, 43) }
```


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

```
.border{ border-color:rgb(229, 0, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.7491, 16.8324, 3.8084 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, 43) }
```

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

```
.background{ background-color: rgb(229, 0,  
43) }
```

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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