

Converting Colors

XYZ(32.7519, 16.8520, 2.9892)

Have a look what the booklet for
XYZ(32.7519, 16.8520, 2.9892)
contains.

XYZ(32.5876, 16.7678, 2.9578)	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(32.5876, 16.7678,
2.9578)**

Conversions

Conversions Part 1

Format	Color
Hex	E50021
RGB	229, 0, 33
RGB Percent	90%, 0%, 13%
CMY	0.1020, 0.9998, 0.8706
CMYK	0.00, 1.00, 0.86, 0.10
HSL	351°, 100%, 45%
HSV	351°, 100%, 90%
XYZ	32.5876, 16.7678, 2.9578
YIQ	72.2330, 125.8910, 58.8110

Conversions

Conversions Part 2

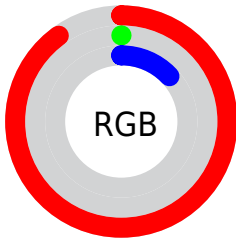
Format	Color
R_{YB}	229, 0, 33
Decimal	15007777
CIE _{Lab}	47.97, 74.24, 50.16
CIE _{LCh}	48, 89.596, 34.049
Yxy	16.7678, 0.6229, 0.3205
Android (android.graphics.Color)	4293197857 (0xFFE50021)
YUV	72.2330, -19.3419, 137.4847
Hunter-Lab	40.9485, 70.3938, 24.3813

Details

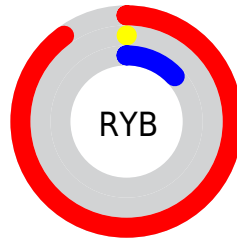
The XYZ color **32.5876, 16.7678, 2.9578** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **37.9897, 60.0265, 61.8405**, and the grayscale version is **6.2220, 6.5460, 7.1286**.

A 20% lighter version of the original color is **46.4291, 29.3214, 10.8019**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.5867, 16.7674, 2.9544**, and if you desaturate by 10%, it is **33.2519, 17.5223, 4.9503**.

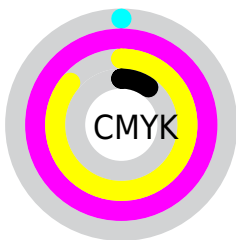
Distribution



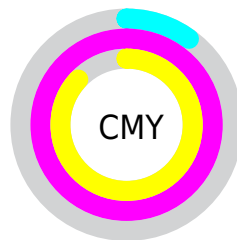
- Red (90%)
- Green (0%)
- Blue (13%)



- Red (90%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5876, 16.7678, 2.9578 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 32.5876, 16.7678, 2.9578 by changing the saturation by 10% instead.


 32.5876, 16.7678,
2.9578


 32.5876, 16.7678,
2.9578


305.4853,
233.8307, 135.8213


 21.9684, 10.0691,
1.0731


 63.0901, 37.9261,
11.5241


 13.9502, 5.4448,
0.0000


 83.7042, 53.1545,
19.0429


 8.1675, 2.5105,
0.0000


 108.3806, 71.9949,
29.2767

 4.2550, 0.8819,
0.0000

 137.4847, 94.8317,
42.6442

 1.8474, 0.0000,
0.0000

 171.3819,
122.0492, 59.5638

 0.5460, 0.0000,
0.0000


 210.4375,


 0.0000, 0.0000,


154.0320, 80.4542


0.0000


 255.0168,
191.1644, 105.7339


 32.5876, 16.7678,
2.9578


 32.5876, 16.7678,
2.9578


 32.5867, 16.7674,
2.9544

 33.2519, 17.5223,
4.9503

 34.4607, 19.0712,
8.0316

 36.3495, 21.6534,
12.3464

 39.0025, 25.4094,
18.0089

 42.4912, 30.4573,
25.1203

■ 46.8789, 36.9009,
33.7717

■ 52.2229, 44.8336,
44.0469

■ 58.5752, 54.3404,
56.0233

■ 65.9846, 65.5001,
69.7736

Harmonies

Analogous

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



37.0017, 16.7678, 15.2924



32.5876, 16.7678, 2.9578



23.7489, 16.7678, 0.1495

Triad

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



32.5876, 16.7678, 2.9578



5.6515, 16.7678, 4.8875



17.0596, 16.7678, 108.3263

Complementary

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



32.5876, 16.7678, 2.9578



37.9897, 60.0265, 61.8405

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.



10.0593, 16.7678, 94.6090



32.5876, 16.7678, 2.9578



4.9201, 16.7678, 21.5826

Square

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



32.5876, 16.7678, 2.9578



8.7250, 16.7678, 0.5918



6.2191, 16.7678, 56.2207



26.3150, 16.7678, 85.5095

Rectangle

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



32.5876, 16.7678, 2.9578



17.6031, 16.7678, 0.0000



6.2191, 16.7678, 56.2207



14.3801, 16.7678, 107.9048

Sweetspot

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



32.5880, 16.7689, 2.9580



66.5007, 56.9964, 55.9305



36.5606, 17.2148, 75.5240



13.5842, 11.2329, 10.7293



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.



32.5880, 16.7689, 2.9580



41.5692, 21.3917, 3.6633



35.1954, 22.4225, 2.4745



14.4611, 14.4016, 15.3624



18.6580, 9.5974, 1.8281



1.4054, 0.7199, 0.2756

Inverse Universe

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



32.5880, 16.7689, 2.9580



41.5692, 21.3917, 3.6633



24.8701, 27.1108, 78.0503



14.4611, 14.4016, 15.3624



18.6580, 9.5974, 1.8281



1.4054, 0.7199, 0.2756

Previews

White Background



This preview shows how the XYZ color 32.5876, 16.7678, 2.9578 looks on a white background.

Color Contrast Check

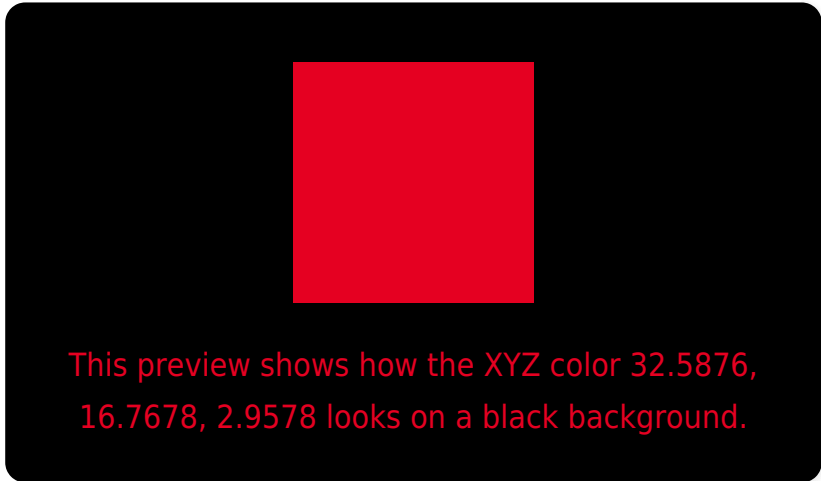
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5876, 16.7678, 2.9578

Background



This preview shows how black text looks on a background with the XYZ color 32.5876, 16.7678, 2.9578.



This preview shows how white text looks on a background with the XYZ color 32.5876, 16.7678,

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

32.5876, 16.7678, 2.9578

Protanopia

15.8371, 17.3558, 6.1297

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

32.2631, 17.0303, 1.5867

Trichromacy



Original Color

32.5876, 16.7678, 2.9578

Protanomaly

18.4789, 13.1021, 4.2443

Deuteranomaly

20.1610, 13.6370, 1.9174

Tritanomaly

32.2052, 16.8084, 1.8948

Monochromacy



Original Color

32.5876, 16.7678, 2.9578

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.7940, 6.9266, 4.7711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5876, 16.7678, 2.9578 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 32.5876, 16.7678, 2.9578 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, 33) }
```


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

```
.border{ border-color:rgb(229, 0, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.5876, 16.7678, 2.9578 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, 33) }
```

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

```
.background{ background-color: rgb(229, 0,  
33) }
```

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