

Converting Colors

XYZ(32.0878, 16.8585, 4.0454)

Have a look what the booklet for
XYZ(32.0878, 16.8585, 4.0454)
contains.

XYZ(32.0878, 16.8585, 4.0454)	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(32.0878, 16.8585,
4.0454)**

Conversions

Conversions Part 1

Format	Color
Hex	E2142D
RGB	226, 20, 45
RGB Percent	89%, 8%, 18%
CMY	0.1137, 0.9214, 0.8235
CMYK	0.00, 0.91, 0.80, 0.11
HSL	353°, 84%, 48%
HSV	353°, 91%, 89%
XYZ	32.0878, 16.8585, 4.0454
YIQ	84.4440, 114.7510, 51.4470

Conversions

Conversions Part 2

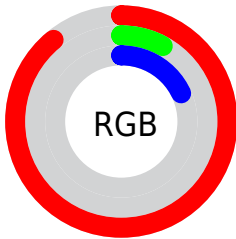
Format	Color
RYB	226, 20, 45
Decimal	14816301
CIELab	48.08, 71.94, 43.75
CIElCh	48, 84.199, 31.304
Yxy	16.8585, 0.6055, 0.3181
Android (android.graphics.Color)	4293006381 (0xFFE2142D)
YUV	84.4440, -19.4459, 124.1446
Hunter-Lab	41.0591, 67.6448, 22.8998

Details

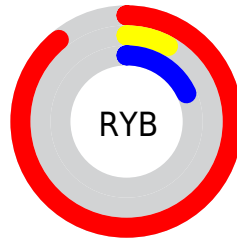
The XYZ color **32.0878, 16.8585, 4.0454** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **38.0317, 58.7599, 64.6156**, and the grayscale version is **8.5447, 8.9897, 9.7897**.

A 20% lighter version of the original color is **47.3546, 30.3984, 13.4968**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **31.5662, 16.2496, 2.5338**, and if you desaturate by 10%, it is **33.1645, 18.2499, 6.7545**.

Distribution



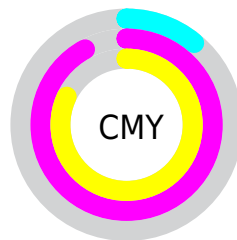
- Red (89%)
- Green (8%)
- Blue (18%)



- Red (89%)
- Yellow (8%)
- Blue (18%)



- Cyan (0%)
- Magenta (91%)
- Yellow (80%)
- Black (11%)





- Cyan (11%)
- Magenta (92%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0878, 16.8585, 4.0454 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 32.0878, 16.8585, 4.0454 by changing the saturation by 10% instead.

 32.0878, 16.8585,
4.0454

 32.0878, 16.8585,
4.0454


303.2572,
234.3556, 148.7287


 21.5844, 10.1337,
1.6503


 62.3130, 38.0823,
14.1143


 13.6668, 5.4877,
0.3263


 82.7655, 53.3501,
22.6252

 7.9694, 2.5361,
0.0000


 107.2651, 72.2343,
34.0118

 4.1270, 0.8947,
0.0000

 136.1772, 95.1193,
48.6926

 1.7742, 0.0000,
0.0000

 169.8671,
122.3896, 67.0861

 0.5021, 0.0000,
0.0000

 208.7002,

 0.0000, 0.0000,

154.4295, 89.6109

0.0000

253.0417,
191.6233, 116.6856

■ 32.0878, 16.8585,
4.0454

■ 32.0878, 16.8585,
4.0454

■ 31.5662, 16.2496,
2.5338

■ 33.1645, 18.2499,
6.7545

■ 34.8961, 20.6275,
10.6786

■ 37.3681, 24.1320,
15.9405

■ 40.6526, 28.8806,
22.6475

■ 44.8130, 34.9756,
30.8959

■ 49.9062, 42.5087,
40.7736

■ 55.9846, 51.5638,
52.3621

■ 63.0965, 62.2180,
65.7371

■ 71.2870, 74.5434,
80.9700

Harmonies

Analogous

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



35.5913, 16.8585, 17.4172



32.0878, 16.8585, 4.0454



24.1396, 16.8585, 0.6321

Triad

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



32.0878, 16.8585, 4.0454



6.3004, 16.8585, 4.6796



16.3594, 16.8585, 100.3951

Complementary

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



32.0878, 16.8585, 4.0454



38.0317, 58.7599, 64.6156

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.



9.9671, 16.8585, 85.2604



32.0878, 16.8585, 4.0454



5.3848, 16.8585, 19.3280

Square

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



32.0878, 16.8585, 4.0454



9.5520, 16.8585, 0.7661



6.4811, 16.8585, 49.9349



24.9068, 16.8585, 82.6285

Rectangle

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



32.0878, 16.8585, 4.0454



18.3426, 16.8585, 0.0000



6.4811, 16.8585, 49.9349



13.9086, 16.8585, 98.9385

Sweetspot

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



32.0882, 16.8596, 4.0456



68.6239, 60.3584, 59.3649



37.4086, 18.0713, 73.4674



14.1273, 12.0849, 11.6322



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.



32.0882, 16.8596, 4.0456



41.4861, 21.3585, 3.2262



35.6326, 24.5039, 3.5150



13.7745, 13.7274, 14.5826



18.0316, 9.2796, 1.5663



1.2724, 0.6522, 0.2275

Inverse Universe

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



32.0882, 16.8596, 4.0456



41.4861, 21.3585, 3.2262



24.9994, 27.6057, 75.9617



13.7745, 13.7274, 14.5826



18.0316, 9.2796, 1.5663



1.2724, 0.6522, 0.2275

Previews

White Background



This preview shows how the XYZ color 32.0878, 16.8585, 4.0454 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 32.0878, 16.8585, 4.0454 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 32.0878, 16.8585, 4.0454

Background



This preview shows how black text looks on a background with the XYZ color 32.0878, 16.8585, 4.0454.



This preview shows how white text looks on a background with the XYZ color 32.0878, 16.8585,

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

32.0878, 16.8585, 4.0454

Protanopia

15.8091, 17.1268, 8.1028

Deuteranopia

17.3553, 17.0409, 3.4731



Tritanopia

31.8510, 16.9546, 2.2099

Trichromacy



Original Color

32.0878, 16.8585, 4.0454

Protanomaly

18.5846, 13.7449, 5.9485

Deuteranomaly

20.3982, 14.4219, 3.2220

Tritanomaly

31.9003, 16.9059, 2.6804

Monochromacy



Original Color

32.0878, 16.8585, 4.0454

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

12.9276, 9.0139, 6.8529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0878, 16.8585, 4.0454 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(226, 20, 45)` looks like.

```
.text, #text, p{  
    color:rgb(226, 20, 45)  
}
```

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(226, 20, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 20, 45) }
```

Border

The CSS property to change the border of an element to XYZ 32.0878, 16.8585, 4.0454 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(226, 20, 45) }
```


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

```
.border{ border-color:rgb(226, 20, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 20, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 20, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 20, 45);  
box-shadow:4px 4px 4px 4px rgb(226, 20,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0878, 16.8585, 4.0454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 20, 45) }
```

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

```
.background{ background-color: rgb(226, 20,  
45) }
```

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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