

Converting Colors

XYZ(32.1749, 16.6459, 3.8143)

Have a look what the booklet for
XYZ(32.1749, 16.6459, 3.8143)
contains.

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Color

**XYZ(32.1906, 16.6573,
3.8040)**

Conversions

Conversions Part 1

Format	Color
Hex	E3072B
RGB	227, 7, 43
RGB Percent	89%, 3%, 17%
CMY	0.1098, 0.9723, 0.8314
CMYK	0.00, 0.97, 0.81, 0.11
HSL	350°, 94%, 46%
HSV	350°, 97%, 89%
XYZ	32.1906, 16.6573, 3.8040
YIQ	76.8840, 119.5640, 57.8360

Conversions

Conversions Part 2

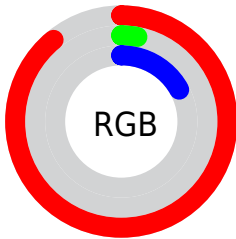
Format	Color
RYB	227, 7, 43
Decimal	14878507
CIELab	47.83, 73.42, 44.66
CIElCh	48, 85.933, 31.314
Yxy	16.6573, 0.6114, 0.3164
Android (android.graphics.Color)	4293068587 (0xFFE3072B)
YUV	76.8840, -16.7048, 131.6517
Hunter-Lab	40.8134, 69.3644, 23.0432

Details

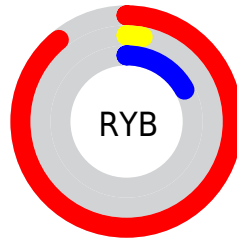
The XYZ color **32.1906, 16.6573, 3.8040** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **36.9672, 58.7473, 58.7129**, and the grayscale version is **7.0526, 7.4199, 8.0803**.

A 20% lighter version of the original color is **46.9126, 29.6525, 12.9238**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **32.0138, 16.4650, 3.2490**, and if you desaturate by 10%, it is **33.0057, 17.5947, 6.2125**.

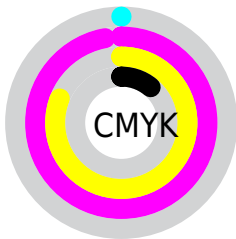
Distribution



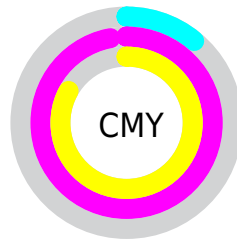
- Red (89%)
- Green (3%)
- Blue (17%)



- Red (89%)
- Yellow (3%)
- Blue (17%)



- Cyan (0%)
- Magenta (97%)
- Yellow (81%)
- Black (11%)





- Cyan (11%)
- Magenta (97%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1906, 16.6573, 3.8040 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 32.1906, 16.6573, 3.8040 by changing the saturation by 10% instead.

 32.1906, 16.6573,
3.8040

 32.1906, 16.6573,
3.8040


303.7165,
233.1897, 146.0213


 21.6634, 9.9905,
1.5184


 62.4729, 37.7356,
13.5551


 13.7250, 5.3926,
0.2316


 82.9588, 52.9159,
21.8578

 8.0101, 2.4794,
0.0000


 107.4949, 71.7027,
33.0033

 4.1532, 0.8663,
0.0000

 136.4466, 94.4806,
47.4101

 1.7892, 0.0000,
0.0000

 170.1792,
121.6338, 65.4967

 0.5111, 0.0000,
0.0000

 209.0582,

 0.0000, 0.0000,

153.5468, 87.6818

0.0000

253.4488,
190.6039, 114.3838

■ 32.1906, 16.6573,
3.8040

■ 32.1906, 16.6573,
3.8040

■ 32.0138, 16.4650,
3.2490

■ 33.0057, 17.5947,
6.2125

■ 34.4112, 19.4214,
9.7157

■ 36.5038, 22.3036,
14.4302

■ 39.3599, 26.3701,
20.4558

■ 43.0457, 31.7312,
27.8821

■ 47.6199, 38.4847,
36.7904

■ 53.1361, 46.7188,
47.2557

■ 59.6433, 56.5143,
59.3480

■ 67.1872, 67.9464,
73.1330

Harmonies

Analogous

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



35.7784, 16.6573, 17.1800



32.1906, 16.6573, 3.8040



24.0749, 16.6573, 0.4944

Triad

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



32.1906, 16.6573, 3.8040



6.0578, 16.6573, 4.4313



16.1749, 16.6573, 102.4082

Complementary

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



32.1906, 16.6573, 3.8040



36.9672, 58.7473, 58.7129

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.



9.7252, 16.6573, 86.7777



32.1906, 16.6573, 3.8040



5.1497, 16.6573, 19.1288

Square

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



32.1906, 16.6573, 3.8040



9.3056, 16.6573, 0.6321



6.2388, 16.6573, 50.3949



24.8625, 16.6573, 84.0406

Rectangle

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



32.1906, 16.6573, 3.8040



18.1802, 16.6573, 0.0000



6.2388, 16.6573, 50.3949



13.6957, 16.6573, 100.9058

Sweetspot

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



32.1910, 16.6584, 3.8042



67.4148, 58.1844, 58.2088



35.2624, 16.6904, 74.0356



13.7634, 11.4590, 11.1968



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.



32.1910, 16.6584, 3.8042



41.6521, 21.4248, 4.1001



34.6128, 22.1379, 2.6514



14.4726, 14.4062, 15.4230



18.6989, 9.6138, 2.0436



1.4109, 0.7221, 0.3043

Inverse Universe

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



32.1910, 16.6584, 3.8042



41.6521, 21.4248, 4.1001



25.4570, 28.5988, 76.8509



14.4726, 14.4062, 15.4230



18.6989, 9.6138, 2.0436



1.4109, 0.7221, 0.3043

Previews

White Background



This preview shows how the XYZ color 32.1906, 16.6573, 3.8040 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 32.1906, 16.6573, 3.8040

Background



This preview shows how black text looks on a background with the XYZ color 32.1906, 16.6573, 3.8040.



This preview shows how white text looks on a background with the XYZ color 32.1906, 16.6573,

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

32.1906, 16.6573, 3.8040

Protanopia

15.7480, 17.1023, 7.7813

Deuteranopia

17.3106, 17.0230, 3.2375



Tritanopia

31.6142, 16.6691, 1.5512

Trichromacy



Original Color

32.1906, 16.6573, 3.8040

Protanomaly

18.4524, 13.2609, 5.5900

Deuteranomaly

20.2439, 13.8476, 2.9022

Tritanomaly

31.6284, 16.5478, 2.0173

Monochromacy



Original Color

32.1906, 16.6573, 3.8040

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

11.6978, 7.7432, 5.8791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1906, 16.6573, 3.8040 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(227, 7, 43)` looks like.

```
.text, #text, p{  
    color:rgb(227, 7, 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(227, 7, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 7, 43) }
```

Border

The CSS property to change the border of an element to XYZ 32.1906, 16.6573, 3.8040 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(227, 7, 43) }
```


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

```
.border{ border-color:rgb(227, 7, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 7, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 7, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 7, 43);  
box-shadow:4px 4px 4px 4px rgb(227, 7, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.1906, 16.6573, 3.8040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 7, 43) }
```

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

```
.background{ background-color: rgb(227, 7,  
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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