

Converting Colors

XYZ(32.4239, 17.0396, 5.5550)

Have a look what the booklet for
XYZ(32.4239, 17.0396, 5.5550)
contains.

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Color

**XYZ(32.4147, 17.0481,
5.5851)**

Conversions

Conversions Part 1

Format	Color
Hex	E2163A
RGB	226, 22, 58
RGB Percent	89%, 9%, 23%
CMY	0.1137, 0.9136, 0.7725
CMYK	0.00, 0.90, 0.74, 0.11
HSL	349°, 82%, 49%
HSV	349°, 90%, 89%
XYZ	32.4147, 17.0481, 5.5851
YIQ	87.1000, 110.0280, 54.4440

Conversions

Conversions Part 2

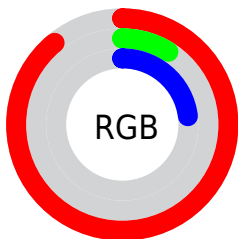
Format	Color
RYB	226, 22, 58
Decimal	14816826
CIELab	48.32, 72.09, 36.59
CIElCh	48, 80.841, 26.909
Yxy	17.0481, 0.5888, 0.3097
Android (android.graphics.Color)	4293006906 (0xFFE2163A)
YUV	87.1000, -14.3463, 121.8153
Hunter-Lab	41.2893, 67.8772, 20.8825

Details

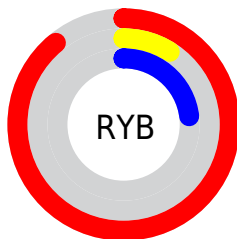
The XYZ color **32.4147, 17.0481, 5.5851** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.8254, 58.2824, 58.0417**, and the grayscale version is **9.0974, 9.5712, 10.4230**.

A 20% lighter version of the original color is **48.0645, 30.8293, 16.7820**, and **14.9938, 7.7188, 1.1898** is the 20% darker color. If you saturate the color by 10%, you get **31.7444, 16.3209, 3.4716**, and if you desaturate by 10%, it is **33.6142, 18.5478, 8.7585**.

Distribution



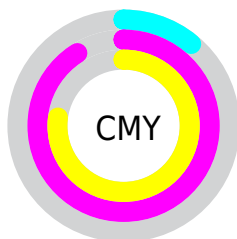
- Red (89%)
- Green (9%)
- Blue (23%)



- Red (89%)
- Yellow (9%)
- Blue (23%)



- Cyan (0%)
- Magenta (90%)
- Yellow (74%)
- Black (11%)





- Cyan (11%)
- Magenta (91%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4147, 17.0481, 5.5851 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 32.4147, 17.0481, 5.5851 by changing the saturation by 10% instead.


 32.4147, 17.0481,
5.5851


 32.4147, 17.0481,
5.5851


304.7159,
235.4494, 164.4843


 21.8355, 10.2688,
2.5298


 62.8215, 38.4085,
17.5260


 13.8520, 5.5775,
0.8559


 83.3798, 53.7583,
27.2487

 8.0988, 2.5899,
0.0000


 107.9952, 72.7338,
40.0310

 4.2106, 0.9216,
0.0000

 137.0330, 95.7193,
56.2913

 1.8220, 0.0000,
0.0000

 170.8586,
123.0992, 76.4483

 0.5308, 0.0000,
0.0000

 209.8374,

 0.0000, 0.0000,

155.2579, 100.9204

0.0000

254.3347,
192.5799, 130.1262

■ 32.4147, 17.0481,
5.5851

■ 32.4147, 17.0481,
5.5851

■ 31.7444, 16.3209,
3.4716

■ 33.6142, 18.5478,
8.7585

■ 35.4608, 21.0409,
13.0735

■ 38.0342, 24.6639,
18.6290

■ 41.4020, 29.5309,
25.5125

■ 45.6240, 35.7421,
33.8035

■ 50.7540, 43.3872,
43.5749

■ 56.8415, 52.5484,
54.8948

■ 63.9322, 63.3017,
67.8269

■ 72.0689, 75.7177,
82.4313

Harmonies

Analogous

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



34.8784, 17.0481, 20.8385



32.4147, 17.0481, 5.5851



25.2398, 17.0481, 1.0949

Triad

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



32.4147, 17.0481, 5.5851



6.9932, 17.0481, 4.0499



15.4514, 17.0481, 95.7627

Complementary

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



32.4147, 17.0481, 5.5851



36.8254, 58.2824, 58.0417

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.



9.6316, 17.0481, 77.5721



32.4147, 17.0481, 5.5851



5.7710, 17.0481, 16.4585

Square

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



32.4147, 17.0481, 5.5851



10.5981, 17.0481, 0.7847



6.5657, 17.0481, 43.6621



23.5025, 17.0481, 83.3908

Rectangle

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



32.4147, 17.0481, 5.5851



19.6309, 17.0481, 0.3196



6.5657, 17.0481, 43.6621



13.2006, 17.0481, 92.8199

Sweetspot

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



32.4151, 17.0492, 5.5853



69.0572, 60.5317, 61.6465



34.9034, 16.8344, 73.3608



14.2267, 12.1247, 12.1554



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.



32.4151, 17.0492, 5.5853



41.7130, 21.4492, 4.4209



34.8866, 22.9819, 3.3579



13.8054, 13.7398, 14.7455



18.1409, 9.3234, 2.1417



1.2871, 0.6581, 0.3045

Inverse Universe

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



32.4151, 17.0492, 5.5853



41.7130, 21.4492, 4.4209



26.8755, 31.2950, 76.5751



13.8054, 13.7398, 14.7455



18.1409, 9.3234, 2.1417



1.2871, 0.6581, 0.3045

Previews

White Background



This preview shows how the XYZ color 32.4147, 17.0481, 5.5851 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 32.4147, 17.0481, 5.5851 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 32.4147, 17.0481, 5.5851

Background



This preview shows how black text looks on a background with the XYZ color 32.4147, 17.0481, 5.5851.



This preview shows how white text looks on a background with the XYZ color 32.4147, 17.0481,

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

32.4147, 17.0481, 5.5851

Protanopia

16.2373, 17.4478, 11.3161

Deuteranopia

17.5707, 17.2784, 4.9938



Tritanopia

31.7278, 17.0621, 2.5984

Trichromacy



Original Color

32.4147, 17.0481, 5.5851

Protanomaly

19.0197, 14.1335, 8.5631

Deuteranomaly

20.7557, 14.6777, 4.7568

Tritanomaly

31.8164, 16.9780, 3.4339

Monochromacy



Original Color

32.4147, 17.0481, 5.5851

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

13.5632, 9.4801, 7.9525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4147, 17.0481, 5.5851 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, 22, 58)` looks like.

```
.text, #text, p{  
    color:rgb(226, 22, 58)  
}
```

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, 22, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 22, 58) }
```

Border

The CSS property to change the border of an element to XYZ 32.4147, 17.0481, 5.5851 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, 22, 58) }
```


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

```
.border{ border-color:rgb(226, 22, 58) }
```

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

Here you see how a box with a 4 pixel rgb(226, 22, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 22, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 22, 58);  
box-shadow:4px 4px 4px 4px rgb(226, 22,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4147, 17.0481, 5.5851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 22, 58) }
```

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

```
.background{ background-color: rgb(226, 22,  
58) }
```

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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