

Converting Colors

XYZ(32.4151, 17.1847, 2.0987)

Have a look what the booklet for
XYZ(32.4151, 17.1847, 2.0987)
contains.

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Color

**XYZ(32.4151, 17.1847,
2.0987)**

Conversions

Conversions Part 1

Format	Color
Hex	E41810
RGB	228, 24, 16
RGB Percent	89%, 9%, 6%
CMY	0.1059, 0.9058, 0.9373
CMYK	0.00, 0.89, 0.93, 0.11
HSL	2°, 87%, 48%
HSV	2°, 93%, 89%
XYZ	32.4151, 17.1847, 2.0987
YIQ	84.0840, 124.1520, 40.7600

Conversions

Conversions Part 2

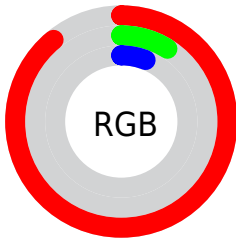
Format	Color
RYB	228, 24, 16
Decimal	14948368
CIELab	48.49, 71.35, 57.57
CIElCh	48, 91.679, 38.898
Yxy	17.1847, 0.6270, 0.3324
Android (android.graphics.Color)	4293138448 (0xFFE41810)
YUV	84.0840, -33.5654, 126.2143
Hunter-Lab	41.4544, 67.0320, 26.0164

Details

The XYZ color **32.4151, 17.1847, 2.0987** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **39.8023, 56.8818, 82.2797**, and the grayscale version is **8.4966, 8.9391, 9.7346**.

A 20% lighter version of the original color is **46.4981, 30.2027, 8.5332**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **32.0884, 16.6813, 1.5286**, and if you desaturate by 10%, it is **33.3333, 18.5904, 3.7336**.

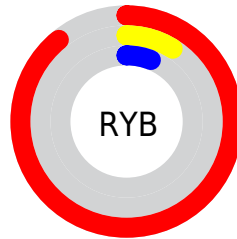
Distribution



Red (89%)

Green (9%)

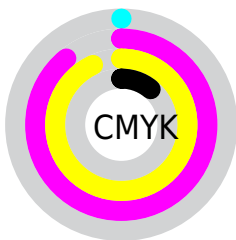
Blue (6%)



Red (89%)

Yellow (9%)

Blue (6%)

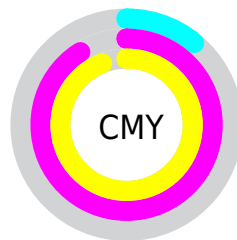


Cyan (0%)

Magenta (89%)

Yellow (93%)

Black (11%)



Cyan (11%)


Magenta (91%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4151, 17.1847, 2.0987 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 32.4151, 17.1847, 2.0987 by changing the saturation by 10% instead.

 32.4151, 17.1847,
2.0987


 32.4151, 17.1847,
2.0987


304.7176,
236.2345, 123.8910


 21.8358, 10.3663,
0.6150


 62.8221, 38.6431,
9.3089


 13.8523, 5.6425,
0.0000


 83.3805, 54.0518,
15.9130

 8.0990, 2.6289,
0.0000


 107.9960, 73.0927,
25.0744

 4.2107, 0.9412,
0.0000

 137.0340, 96.1503,
37.2118

 1.8220, 0.0000,
0.0000

 170.8598,
123.6088, 52.7436

 0.5309, 0.0000,
0.0000


 209.8388,


 0.0000, 0.0000,


155.8528, 72.0884


0.0000


 254.3363,
193.2666, 95.6647


 32.4151, 17.1847,
2.0987


 32.4151, 17.1847,
2.0987

 32.0884, 16.6813,
1.5286

 33.3333, 18.5904,
3.7336

 34.9145, 20.9598,
6.7056

 37.2533, 24.4255,
11.2210

 40.4285, 29.0985,
17.4509

 44.5093, 35.0763,
25.5436

■ 49.5575, 42.4462,
35.6314

■ 55.6295, 51.2884,
47.8347

■ 62.7774, 61.6766,
62.2642

■ 71.0498, 73.6797,
79.0231

Harmonies

Analogous

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



38.0669, 17.1847, 12.4265



32.4151, 17.1847, 2.0987



22.8700, 17.1847, 0.0000

Triad

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



32.4151, 17.1847, 2.0987



5.4199, 17.1847, 6.5051



18.9629, 17.1847, 111.7976

Complementary

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



32.4151, 17.1847, 2.0987



39.8023, 56.8818, 82.2797

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.



11.1788, 17.1847, 103.6202



32.4151, 17.1847, 2.0987



5.0048, 17.1847, 26.8219

Square

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



32.4151, 17.1847, 2.0987



8.1422, 17.1847, 0.8569



6.7084, 17.1847, 65.4173



28.7280, 17.1847, 82.7885

Rectangle

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



32.4151, 17.1847, 2.0987



16.6463, 17.1847, 0.0000



6.7084, 17.1847, 65.4173



16.0247, 17.1847, 113.6132

Sweetspot

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



32.4155, 17.1858, 2.0989



67.4730, 59.9502, 53.1432



45.2221, 22.0813, 70.2382



13.7444, 11.8154, 9.9745



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.



32.4155, 17.1858, 2.0989



41.3448, 21.4697, 1.9649



39.9472, 32.2493, 4.6095



14.4205, 14.4550, 14.9345



18.5484, 9.6710, 0.8891



1.3862, 0.7457, 0.0709

Inverse Universe

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



39.8023, 56.8818, 82.2797



50.8057, 72.7314, 105.9686



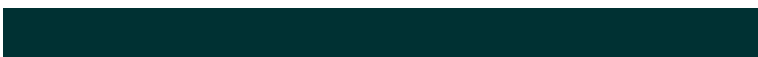
20.3403, 17.9578, 75.7924



14.7582, 16.2378, 18.5007



22.7890, 32.6402, 47.4822



1.6987, 2.4414, 3.5137

Previews

White Background



This preview shows how the XYZ color 32.4151, 17.1847, 2.0987 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 32.4151, 17.1847, 2.0987 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 32.4151, 17.1847, 2.0987

Background



This preview shows how black text looks on a background with the XYZ color 32.4151, 17.1847, 2.0987.



This preview shows how white text looks on a background with the XYZ color 32.4151, 17.1847,

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

32.4151, 17.1847, 2.0987

Protanopia

15.7697, 17.3640, 4.1895

Deuteranopia

17.6086, 17.3549, 2.4218



Tritanopia

32.4151, 17.1847, 2.0987

Trichromacy



Original Color

32.4151, 17.1847, 2.0987

Protanomaly

19.0409, 14.3822, 2.9349

Deuteranomaly

20.7334, 14.8352, 1.9430

Tritanomaly

32.4151, 17.1847, 2.0987

Monochromacy



Original Color

32.4151, 17.1847, 2.0987

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

12.6654, 8.9953, 5.2064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4151, 17.1847, 2.0987 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(228, 24, 16)` looks like.

```
.text, #text, p{  
  color:rgb(228, 24, 16)  
}
```

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(228, 24, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 24, 16) }
```

Border

The CSS property to change the border of an element to XYZ 32.4151, 17.1847, 2.0987 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(228, 24, 16) }
```


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

```
.border{ border-color:rgb(228, 24, 16) }
```

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

Here you see how a box with a 4 pixel rgb(228, 24, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 24, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 24, 16);  
box-shadow:4px 4px 4px 4px rgb(228, 24,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4151, 17.1847, 2.0987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 24, 16) }
```

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

```
.background{ background-color: rgb(228, 24,  
16) }
```

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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