

Converting Colors

XYZ(32.0174, 17.0319, 1.6000)

Have a look what the booklet for
XYZ(32.0174, 17.0319, 1.6000)
contains.

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Color

**XYZ(32.0262, 17.0262,
1.5984)**

Conversions

Conversions Part 1

Format	Color
Hex	E31900
RGB	227, 25, 0
RGB Percent	89%, 10%, 0%
CMY	0.1098, 0.9018, 1.0000
CMYK	0.00, 0.89, 1.00, 0.11
HSL	7°, 100%, 45%
HSV	7°, 100%, 89%
XYZ	32.0262, 17.0262, 1.5984
YIQ	82.5480, 128.4170, 35.0490

Conversions

Conversions Part 2

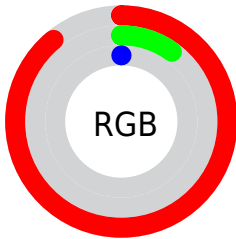
Format	Color
R_{YB}	227, 28, 0
Decimal	14883072
CIE Lab	48.29, 70.81, 61.88
CIE LCh	48, 94.034, 41.151
Yxy	17.0262, 0.6323, 0.3361
Android (android.graphics.Color)	4293073152 (0xFFE31900)
YUV	82.5480, -40.6962, 126.6844
Hunter-Lab	41.2628, 66.3331, 26.5873

Details

The XYZ color **32.0262, 17.0262, 1.5984** 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 **34.9786, 47.7731, 80.0500**, and the grayscale version is **8.1949, 8.6217, 9.3890**.

A 20% lighter version of the original color is **46.2285, 30.0949, 7.1138**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **32.0265, 17.0273, 1.5986**, and if you desaturate by 10%, it is **32.7770, 18.2855, 2.5969**.

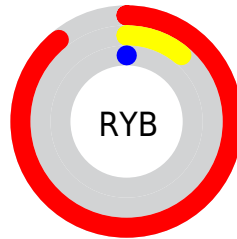
Distribution



Red (89%)

Green (10%)

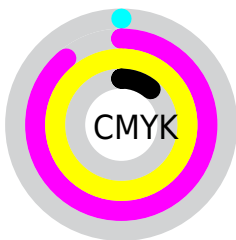
Blue (0%)



Red (89%)

Yellow (11%)

Blue (0%)

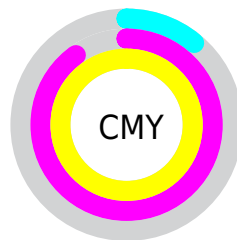


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (90%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0262, 17.0262, 1.5984 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 32.0262, 17.0262, 1.5984 by changing the saturation by 10% instead.


 32.0262, 17.0262,
1.5984


 32.0262, 17.0262,
1.5984


 302.9818,
235.3233, 115.7913


 21.5372, 10.2532,
0.2897


 62.2171, 38.3708,
7.9106


 13.6319, 5.5671,
0.0000


 82.6496, 53.7112,
13.8962


 7.9451, 2.5837,
0.0000


 107.1274, 72.6761,
22.3262

 4.1113, 0.9185,
0.0000

 136.0157, 95.6501,
33.6191

 1.7653, 0.0000,
0.0000

 169.6799,
123.0173, 48.1936


 0.4966, 0.0000,
0.0000


 208.4855,


 0.0000, 0.0000,


155.1624, 66.4681


0.0000


 252.7976,
192.4696, 88.8611


 32.0262, 17.0262,
1.5984


 32.0262, 17.0262,
1.5984


 32.0265, 17.0273,
1.5986

 32.7770, 18.2855,
2.5969

 34.0744, 20.3527,
4.6558

 36.0223, 23.3445,
8.0923

 38.6933, 27.3532,
13.0928

 42.1499, 32.4598,
19.8147

■ 46.4480, 38.7371,
28.3962

■ 51.6383, 46.2518,
38.9613

■ 57.7673, 55.0653,
51.6236

■ 64.8785, 65.2350,
66.4877

Harmonies

Analogous

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



38.3232, 17.0262, 10.8293



32.0262, 17.0262, 1.5984



22.1097, 17.0262, 0.0000

Triad

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



32.0262, 17.0262, 1.5984



5.0632, 17.0262, 7.0922



19.5825, 17.0262, 114.0397

Complementary

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



32.0262, 17.0262, 1.5984



34.9786, 47.7731, 80.0500

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.



11.4229, 17.0262, 108.6244



32.0262, 17.0262, 1.5984



4.8040, 17.0262, 29.2419

Square

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



32.0262, 17.0262, 1.5984



7.5829, 17.0262, 0.8710



6.6781, 17.0262, 70.1402



29.6240, 17.0262, 81.5857

Rectangle

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



32.0262, 17.0262, 1.5984



15.8541, 17.0262, 0.0000



6.6781, 17.0262, 70.1402



16.5162, 17.0262, 117.0238

Sweetspot

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



32.0266, 17.0273, 1.5986



67.0827, 60.0075, 50.4301



42.6133, 20.7048, 59.0656



13.7157, 11.9153, 9.4800



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.



32.0266, 17.0273, 1.5986



41.6580, 22.0960, 2.0693



40.5106, 33.9954, 4.4267



14.5043, 14.6225, 14.9624



18.7196, 10.0134, 0.9461



1.4263, 0.8259, 0.0842

Inverse Universe

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



34.9786, 47.7731, 80.0500



45.4873, 62.0946, 104.1958



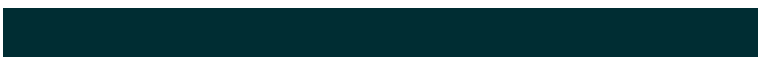
17.5890, 12.9941, 74.2535



14.6646, 16.0506, 18.4695



20.4532, 27.9684, 46.7036



1.5504, 2.1447, 3.4642

Previews

White Background



This preview shows how the XYZ color 32.0262, 17.0262, 1.5984 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 32.0262, 17.0262, 1.5984 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 32.0262, 17.0262, 1.5984

Background



This preview shows how black text looks on a background with the XYZ color 32.0262, 17.0262, 1.5984.



This preview shows how white text looks on a background with the XYZ color 32.0262, 17.0262,

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

32.0262, 17.0262, 1.5984

Protanopia

15.6731, 17.3253, 3.6805

Deuteranopia

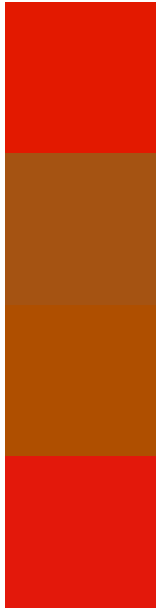
17.4300, 17.2629, 2.4134



Tritanopia

32.1064, 17.0246, 2.1242

Trichromacy



Original Color

32.0262, 17.0262, 1.5984

Protanomaly

18.7195, 14.2295, 2.3322

Deuteranomaly

20.4752, 14.7059, 1.7594

Tritanomaly

32.0656, 17.0083, 1.9095

Monochromacy



Original Color

32.0262, 17.0262, 1.5984

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

12.3569, 8.8532, 4.4257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0262, 17.0262, 1.5984 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, 25, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 25, 0)  
}
```

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, 25, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 25, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.0262, 17.0262, 1.5984 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, 25, 0) }
```


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

```
.border{ border-color:rgb(227, 25, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 25, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 25, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 25, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 25, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.0262, 17.0262, 1.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 25, 0) }
```

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

```
.background{ background-color: rgb(227, 25,  
0) }
```

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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