

Converting Colors

XYZ(32.1188, 16.9863, 2.3806)

Have a look what the booklet for
XYZ(32.1188, 16.9863, 2.3806)
contains.

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Color

**XYZ(32.1396, 17.0055,
2.3991)**

Conversions

Conversions Part 1

Format	Color
Hex	E31717
RGB	227, 23, 23
RGB Percent	89%, 9%, 9%
CMY	0.1098, 0.9097, 0.9098
CMYK	0.00, 0.90, 0.90, 0.11
HSL	0°, 82%, 49%
HSV	0°, 90%, 89%
XYZ	32.1396, 17.0055, 2.3991
YIQ	83.9960, 121.5840, 43.2480

Conversions

Conversions Part 2

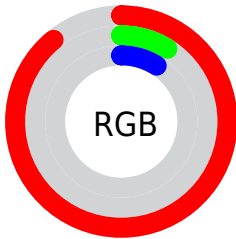
Format	Color
R_{YB}	227, 23, 23
Decimal	14882583
CIE Lab	48.27, 71.33, 54.74
CIE LCh	48, 89.909, 37.502
Yxy	17.0055, 0.6235, 0.3299
Android (android.graphics.Color)	4293072663 (0xFFE31717)
YUV	83.9960, -30.0710, 125.4145
Hunter-Lab	41.2377, 66.9522, 25.4171

Details

The XYZ color **32.1396, 17.0055, 2.3991** 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 **41.6798, 60.6510, 82.1826**, and the grayscale version is **8.4716, 8.9127, 9.7060**.

A 20% lighter version of the original color is **46.6520, 30.2643, 9.3440**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **31.6836, 16.3386, 1.4924**, and if you desaturate by 10%, it is **33.1319, 18.4583, 4.3706**.

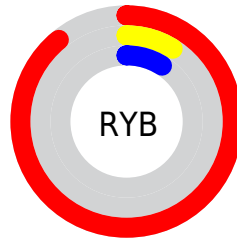
Distribution



Red (89%)

Green (9%)

Blue (9%)



Red (89%)

Yellow (9%)

Blue (9%)

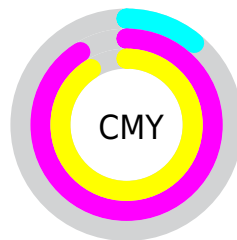


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (11%)



Cyan (11%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1396, 17.0055, 2.3991 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 32.1396, 17.0055, 2.3991 by changing the saturation by 10% instead.


 32.1396, 17.0055,
2.3991


 32.1396, 17.0055,
2.3991


303.4887,
235.2041, 128.2950


 21.6242, 10.2384,
0.7860


 62.3936, 38.3352,
10.1057


 13.6961, 5.5573,
0.0000


 82.8629, 53.6667,
17.0470

 7.9899, 2.5778,
0.0000


 107.3809, 72.6217,
26.6051

 4.1402, 0.9155,
0.0000

 136.3130, 95.5846,
39.1984

 1.7818, 0.0000,
0.0000

 170.0244,
122.9400, 55.2455

 0.5066, 0.0000,
0.0000


 208.8806,


 0.0000, 0.0000,


155.0721, 75.1649


0.0000


 253.2469,
192.3653, 99.3753


 32.1396, 17.0055,
2.3991


 32.1396, 17.0055,
2.3991


 31.6836, 16.3386,
1.4924


 33.1319, 18.4583,
4.3706

 31.6786, 16.3314,
1.4826

 34.8268, 20.9386,
7.7393

 37.3223, 24.5905,
12.6998

 40.7009, 29.5344,
19.4159

 45.0346, 35.8759,
28.0309

■ 50.3881, 43.7096,
38.6735

■ 56.8205, 53.1220,
51.4612

■ 64.3864, 64.1927,
66.5023

■ 73.1365, 76.9964,
83.8981

Harmonies

Analogous

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



37.3262, 17.0055, 13.2328



32.1396, 17.0055, 2.3991



22.9643, 17.0055, 0.0107

Triad

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



32.1396, 17.0055, 2.3991



5.5472, 17.0055, 6.0698



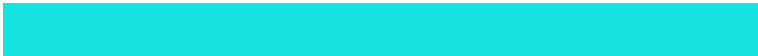
18.3063, 17.0055, 108.7926

Complementary

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



32.1396, 17.0055, 2.3991



41.6798, 60.6510, 82.1826

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.



10.8580, 17.0055, 99.1772



32.1396, 17.0055, 2.3991



5.0422, 17.0055, 25.0463

Square

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



32.1396, 17.0055, 2.3991



8.3505, 17.0055, 0.8313



6.6166, 17.0055, 61.7426



27.7623, 17.0055, 82.2309

Rectangle

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



32.1396, 17.0055, 2.3991



16.8589, 17.0055, 0.0000



6.6166, 17.0055, 61.7426



15.4869, 17.0055, 109.9132

Sweetspot

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



32.1400, 17.0066, 2.3993



67.7114, 59.9965, 54.5497



45.8498, 22.4896, 74.5969



13.9195, 12.0025, 10.5358



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.



32.1400, 17.0066, 2.3993



41.2404, 21.2607, 1.9301



39.1667, 31.0600, 4.7416



14.3772, 14.3683, 14.9201



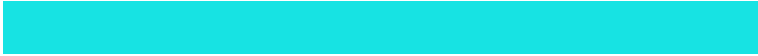
18.4753, 9.5248, 0.8647



1.3653, 0.7040, 0.0639

Inverse Universe

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



41.6798, 60.6510, 82.1826



53.7991, 78.7182, 106.9664



21.5521, 20.3955, 75.4733



14.8073, 16.3361, 18.5171



24.1015, 35.2651, 47.9197



1.7811, 2.6061, 3.5411

Previews

White Background



This preview shows how the XYZ color 32.1396, 17.0055, 2.3991 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 32.1396, 17.0055, 2.3991

Background



This preview shows how black text looks on a background with the XYZ color 32.1396, 17.0055, 2.3991.



This preview shows how white text looks on a background with the XYZ color 32.1396, 17.0055,

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

32.1396, 17.0055, 2.3991

Protanopia

15.7166, 17.3251, 4.7062

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

32.0987, 17.0216, 2.0839

Trichromacy



Original Color

32.1396, 17.0055, 2.3991

Protanomaly

18.8377, 14.1553, 3.3295

Deuteranomaly

20.4474, 14.5803, 1.9663

Tritanomaly

32.1227, 17.0312, 2.2104

Monochromacy



Original Color

32.1396, 17.0055, 2.3991

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

12.7455, 9.0273, 5.6281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1396, 17.0055, 2.3991 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, 23, 23)` looks like.

```
.text, #text, p{  
    color:rgb(227, 23, 23)  
}
```

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, 23, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 23, 23) }
```

Border

The CSS property to change the border of an element to XYZ 32.1396, 17.0055, 2.3991 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, 23, 23) }
```


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

```
.border{ border-color:rgb(227, 23, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 23, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 23, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 23, 23);  
box-shadow:4px 4px 4px 4px rgb(227, 23,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1396, 17.0055, 2.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 23, 23) }
```

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

```
.background{ background-color: rgb(227, 23,  
23) }
```

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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