

Converting Colors

XYZ(32.5566, 17.7386, 2.4499)

Have a look what the booklet for
XYZ(32.5566, 17.7386, 2.4499)
contains.

XYZ(32.4849, 17.7120, 2.4657)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.4849, 17.7120,
2.4657)**

Conversions

Conversions Part 1

Format	Color
Hex	E32516
RGB	227, 37, 22
RGB Percent	89%, 15%, 9%
CMY	0.1098, 0.8548, 0.9137
CMYK	0.00, 0.84, 0.90, 0.11
HSL	4°, 82%, 49%
HSV	4°, 90%, 89%
XYZ	32.4849, 17.7120, 2.4657
YIQ	92.1000, 118.0550, 35.6150

Conversions

Conversions Part 2

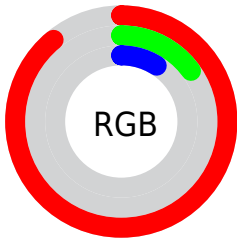
Format	Color
R_{YB}	227, 38, 22
Decimal	14886166
CIE Lab	49.14, 68.79, 55.74
CIE LCh	49, 88.533, 39.017
Yxy	17.7120, 0.6168, 0.3363
Android (android.graphics.Color)	4293076246 (0xFFE32516)
YUV	92.1000, -34.5593, 118.3073
Hunter-Lab	42.0856, 64.1301, 25.9863

Details

The XYZ color **32.4849, 17.7120, 2.4657** 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 **37.7342, 52.7932, 80.8736**, and the grayscale version is **10.2562, 10.7903, 11.7507**.

A 20% lighter version of the original color is **47.2276, 31.4154, 9.5359**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **31.8730, 16.7203, 1.5474**, and if you desaturate by 10%, it is **33.6621, 19.5499, 4.4519**.

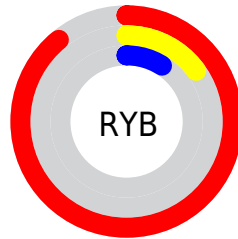
Distribution



Red (89%)

Green (15%)

Blue (9%)



Red (89%)

Yellow (15%)

Blue (9%)

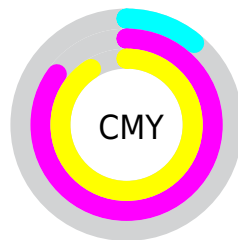


Cyan (0%)

Magenta (84%)

Yellow (90%)

Black (11%)



Cyan (11%)


Magenta (85%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4849, 17.7120, 2.4657 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 32.4849, 17.7120, 2.4657 by changing the saturation by 10% instead.


 32.4849, 17.7120,
2.4657


 32.4849, 17.7120,
2.4657


305.0284,
239.2427, 129.2340


 21.8895, 10.7434,
0.8219


 62.9306, 39.5460,
10.2788


 13.8919, 5.8946,
0.0000


 83.5115, 55.1801,
17.2921


 8.1267, 2.7811,
0.0000


 108.1517, 74.4716,
26.9346

 4.2286, 1.0185,
0.0000

 137.2165, 97.8048,
39.6248

 1.8323, 0.0000,
0.0000

 171.0712,
125.5641, 55.7813


 0.5370, 0.0000,
0.0000


 210.0812,


 0.0000, 0.0000,


158.1340, 75.8227


0.0000


 254.6118,
195.8987, 100.1674


 32.4849, 17.7120,
2.4657

 32.4849, 17.7120,
2.4657


 31.8730, 16.7203,
1.5474

 33.6621, 19.5499,
4.4519

 35.5062, 22.3464,
7.8155

 38.0978, 26.2102,
12.7466

 41.5055, 31.2342,
19.4054

 45.7903, 37.5012,
27.9321

■ 51.0072, 45.0865,
38.4527

■ 57.2069, 54.0596,
51.0822

■ 64.4362, 64.4848,
65.9266

■ 72.7391, 76.4225,
83.0852

Harmonies

Analogous

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



37.9669, 17.7120, 12.9848



32.4849, 17.7120, 2.4657



23.2049, 17.7120, 0.1448

Triad

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



32.4849, 17.7120, 2.4657



5.9145, 17.7120, 7.1306



19.4556, 17.7120, 108.4872

Complementary

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



32.4849, 17.7120, 2.4657



37.7342, 52.7932, 80.8736

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.



11.7521, 17.7120, 100.8886



32.4849, 17.7120, 2.4657



5.4969, 17.7120, 27.3516

Square

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



32.4849, 17.7120, 2.4657



8.6683, 17.7120, 1.1228



7.2460, 17.7120, 64.5978



28.9807, 17.7120, 80.8470

Rectangle

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



32.4849, 17.7120, 2.4657



17.1095, 17.7120, 0.0000



7.2460, 17.7120, 64.5978



16.5629, 17.7120, 110.2579

Sweetspot

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



32.4853, 17.7131, 2.4659



68.7921, 62.1580, 54.9100



44.0176, 21.7256, 65.0457



14.1651, 12.4938, 10.6176



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.



32.4853, 17.7131, 2.4659



41.4675, 21.7151, 2.0058



40.9355, 34.6135, 5.2827



14.4614, 14.5367, 14.9481



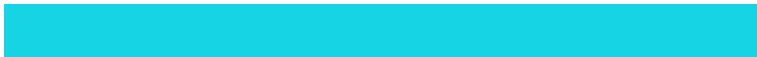
18.6200, 9.8141, 0.9129



1.4058, 0.7849, 0.0774

Inverse Universe

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



37.7342, 52.7932, 80.8736



48.1367, 67.3935, 105.0789



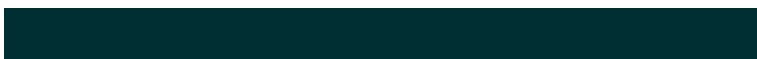
19.8622, 17.0492, 74.9162



14.7123, 16.1461, 18.4854



21.6175, 30.2971, 47.0917



1.6246, 2.2932, 3.4890

Previews

White Background



This preview shows how the XYZ color 32.4849, 17.7120, 2.4657 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 32.4849, 17.7120, 2.4657 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4849, 17.7120, 2.4657

Background



This preview shows how black text looks on a background with the XYZ color 32.4849, 17.7120, 2.4657.



This preview shows how white text looks on a background with the XYZ color 32.4849, 17.7120,

2.4657.

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

32.4849, 17.7120, 2.4657

Protanopia

16.3772, 18.0156, 4.6217

Deuteranopia

18.0069, 17.8842, 2.5029



Tritanopia

32.5839, 17.7025, 3.1384

Trichromacy



Original Color

32.4849, 17.7120, 2.4657

Protanomaly

19.7832, 15.4701, 3.3822

Deuteranomaly

21.4238, 15.8616, 2.1622

Tritanomaly

32.5312, 17.6814, 2.8607

Monochromacy



Original Color

32.4849, 17.7120, 2.4657

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

14.3150, 10.7027, 6.6215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4849, 17.7120, 2.4657 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, 37, 22)` looks like.

```
.text, #text, p{  
    color:rgb(227, 37, 22)  
}
```

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, 37, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 37, 22) }
```

Border

The CSS property to change the border of an element to XYZ 32.4849, 17.7120, 2.4657 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, 37, 22) }
```


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

```
.border{ border-color:rgb(227, 37, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 37, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 37, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 37, 22);  
box-shadow:4px 4px 4px 4px rgb(227, 37,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4849, 17.7120, 2.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 37, 22) }
```

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

```
.background{ background-color: rgb(227, 37,  
22) }
```

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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