

Converting Colors

XYZ(33.8853, 18.2061, 2.5484)

Have a look what the booklet for
XYZ(33.8853, 18.2061, 2.5484)
contains.

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Color

**XYZ(33.9499, 18.2507,
2.5440)**

Conversions

Conversions Part 1

Format	Color
Hex	E82017
RGB	232, 32, 23
RGB Percent	91%, 13%, 9%
CMY	0.0902, 0.8744, 0.9098
CMYK	0.00, 0.86, 0.90, 0.09
HSL	3°, 82%, 50%
HSV	3°, 90%, 91%
XYZ	33.9499, 18.2507, 2.5440
YIQ	90.7740, 122.0890, 39.6010

Conversions

Conversions Part 2

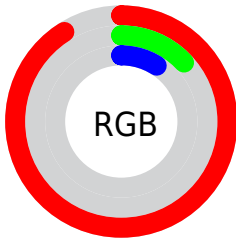
Format	Color
R_{YB}	232, 32, 23
Decimal	15212567
CIE _{Lab}	49.80, 71.15, 56.27
CIE _{LCh}	50, 90.709, 38.341
Yxy	18.2507, 0.6202, 0.3334
Android (android.graphics.Color)	4293402647 (0xFFE82017)
YUV	90.7740, -33.4126, 123.8552
Hunter-Lab	42.7208, 67.0910, 26.3739

Details

The XYZ color **33.9499, 18.2507, 2.5440** 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 **41.3002, 58.7711, 85.5106**, and the grayscale version is **9.9492, 10.4674, 11.3990**.

A 20% lighter version of the original color is **47.1611, 31.2306, 9.6733**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.3872, 17.3731, 1.5936**, and if you desaturate by 10%, it is **35.1051, 20.0136, 4.6184**.

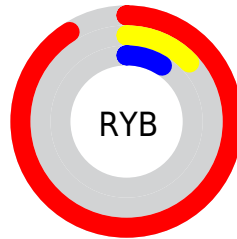
Distribution



Red (91%)

Green (13%)

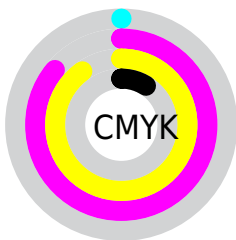
Blue (9%)



Red (91%)

Yellow (13%)

Blue (9%)

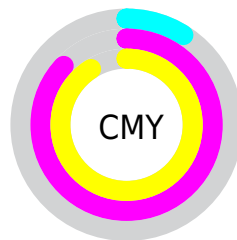


Cyan (0%)

Magenta (86%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (87%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9499, 18.2507, 2.5440 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 33.9499, 18.2507, 2.5440 by changing the saturation by 10% instead.

 33.9499, 18.2507,
2.5440


 33.9499, 18.2507,
2.5440


311.4984,
242.2803, 130.3223


 23.0178, 11.1301,
0.8633


 65.2006, 40.4640,
10.4808


 14.7274, 6.1544,
0.0000


 86.2498, 56.3256,
17.5776

 8.7134, 2.9392,
0.0000


 111.4023, 75.8696,
27.3179

 4.6103, 1.1001,
0.0000

 141.0231, 99.4805,
40.1203

 2.0529, 0.0000,
0.0000

 175.4778,
127.5426, 56.4035


 0.6634, 0.0000,
0.0000


 215.1317,


 0.0000, 0.0000,


160.4404, 76.5858


0.0000


 260.3501,
198.5581, 101.0859


 33.9499, 18.2507,
2.5440

 33.9499, 18.2507,
2.5440


 33.3872, 17.3731,
1.5936

 35.1051, 20.0136,
4.6184

 36.9786, 22.8174,
8.1509

 39.6624, 26.7906,
13.3441

 43.2345, 32.0424,
20.3684

 47.7635, 38.6694,
29.3729

■ 53.3117, 46.7590,
40.4916

■ 59.9357, 56.3913,
53.8466

■ 67.6883, 67.6405,
69.5510

■ 76.6185, 80.5763,
87.7099

Harmonies

Analogous

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



39.5757, 18.2507, 13.7284



33.9499, 18.2507, 2.5440



24.2436, 18.2507, 0.1088

Triad

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



33.9499, 18.2507, 2.5440



6.0204, 18.2507, 6.9598



19.8748, 18.2507, 114.1860

Complementary

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



33.9499, 18.2507, 2.5440



41.3002, 58.7711, 85.5106

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.



11.9003, 18.2507, 105.2501



33.9499, 18.2507, 2.5440



5.5403, 18.2507, 27.6194

Square

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



33.9499, 18.2507, 2.5440



8.9349, 18.2507, 1.0301



7.2932, 18.2507, 66.5333



29.8556, 18.2507, 85.6075

Rectangle

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



33.9499, 18.2507, 2.5440



17.8332, 18.2507, 0.0000



7.2932, 18.2507, 66.5333



16.8692, 18.2507, 115.7464

Sweetspot

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



33.9503, 18.2519, 2.5443



68.3428, 61.2594, 54.7602



47.1799, 23.2065, 73.2502



14.0628, 12.2892, 10.5836



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.



33.9503, 18.2519, 2.5443



41.3598, 21.4995, 1.9699



42.0229, 34.3971, 5.2351



14.4266, 14.4672, 14.9365



18.5587, 9.6915, 0.8925



1.3891, 0.7516, 0.0719

Inverse Universe

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



41.3002, 58.7711, 85.5106



50.3981, 71.9161, 105.8327



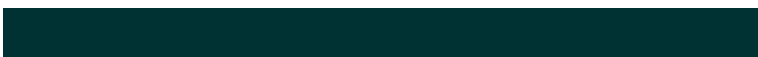
21.6996, 19.5700, 78.9771



14.7513, 16.2241, 18.4984



22.6102, 32.2825, 47.4226



1.6874, 2.4188, 3.5099

Previews

White Background



This preview shows how the XYZ color 33.9499, 18.2507, 2.5440 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 33.9499, 18.2507, 2.5440 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 33.9499, 18.2507, 2.5440

Background



This preview shows how black text looks on a background with the XYZ color 33.9499, 18.2507, 2.5440.



This preview shows how white text looks on a background with the XYZ color 33.9499, 18.2507,

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

33.9499, 18.2507, 2.5440

Protanopia

16.8073, 18.5867, 4.8922

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

33.9931, 18.2680, 2.7713

Trichromacy



Original Color

33.9499, 18.2507, 2.5440

Protanomaly

20.1553, 15.5358, 3.5265

Deuteranomaly

22.0365, 16.0615, 2.1684

Tritanomaly

33.9817, 18.2634, 2.7114

Monochromacy



Original Color

33.9499, 18.2507, 2.5440

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

14.3289, 10.5244, 6.4305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9499, 18.2507, 2.5440 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(232, 32, 23)` looks like.

```
.text, #text, p{  
    color:rgb(232, 32, 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(232, 32, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 32, 23) }
```

Border

The CSS property to change the border of an element to XYZ 33.9499, 18.2507, 2.5440 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(232, 32, 23) }
```


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

```
.border{ border-color:rgb(232, 32, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 32, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 32, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 32, 23);  
box-shadow:4px 4px 4px 4px rgb(232, 32,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9499, 18.2507, 2.5440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 32, 23) }
```

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

```
.background{ background-color: rgb(232, 32,  
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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