

Converting Colors

XYZ(34.4807, 18.1454, 2.3713)

Have a look what the booklet for
XYZ(34.4807, 18.1454, 2.3713)
contains.

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Color

**XYZ(34.3352, 18.0829,
2.3901)**

Conversions

Conversions Part 1

Format	Color
Hex	EA1515
RGB	234, 21, 21
RGB Percent	92%, 8%, 8%
CMY	0.0824, 0.9175, 0.9176
CMYK	0.00, 0.91, 0.91, 0.08
HSL	0°, 84%, 50%
HSV	0°, 91%, 92%
XYZ	34.3352, 18.0829, 2.3901
YIQ	84.6870, 126.9480, 45.1560

Conversions

Conversions Part 2

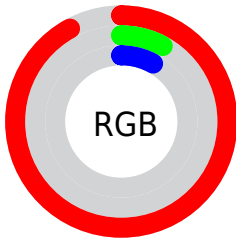
Format	Color
R_{YB}	234, 21, 21
Decimal	15340821
CIE Lab	49.60, 73.36, 57.10
CIE LCh	50, 92.958, 37.896
Yxy	18.0829, 0.6265, 0.3299
Android (android.graphics.Color)	4293530901 (0xFFEA1515)
YUV	84.6870, -31.3977, 130.9475
Hunter-Lab	42.5240, 69.7095, 26.4343

Details

The XYZ color **34.3352, 18.0829, 2.3901** 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 **44.5729, 64.9249, 88.0238**, and the grayscale version is **8.6179, 9.0667, 9.8736**.

A 20% lighter version of the original color is **46.6202, 30.2516, 9.1763**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **33.9318, 17.4931, 1.5881**, and if you desaturate by 10%, it is **35.3104, 19.5108, 4.3274**.

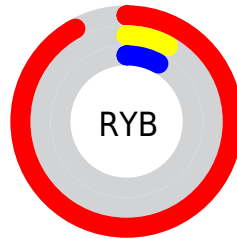
Distribution



Red (92%)

Green (8%)

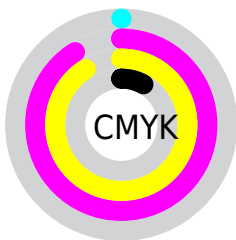
Blue (8%)



Red (92%)

Yellow (8%)

Blue (8%)

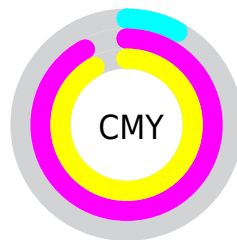


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (8%)



Cyan (8%)


Magenta (92%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3352, 18.0829, 2.3901 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 34.3352, 18.0829, 2.3901 by changing the saturation by 10% instead.


 34.3352, 18.0829,
2.3901


 34.3352, 18.0829,
2.3901


313.1838,
241.3379, 128.1672


 23.3153, 11.0095,
0.7810


 65.7954, 40.1785,
10.0822


 14.9485, 6.0732,
0.0000


 86.9665, 55.9696,
17.0137

 8.8693, 2.8897,
0.0000


 112.2520, 75.4353,
26.5603

 4.7125, 1.0744,
0.0000

 142.0174, 98.9601,
39.1404

 2.1126, 0.0000,
0.0000

 176.6278,
126.9284, 55.1726


 0.6960, 0.0000,
0.0000


 216.4488,


 0.0000, 0.0000,


159.7245, 75.0754


0.0000


 261.8457,
197.7329, 99.2674

 34.3352, 18.0829,
2.3901


 34.3352, 18.0829,
2.3901


 33.9318, 17.4931,
1.5881

 35.3104, 19.5108,
4.3274

 37.0254, 22.0206,
7.7358

 39.5886, 25.7715,
12.8306

 43.0903, 30.8957,
19.7914

 47.6095, 37.5086,
28.7751

■ 53.2166, 45.7134,
39.9219

■ 59.9759, 55.6040,
53.3595

■ 67.9466, 67.2672,
69.2058

■ 77.1840, 80.7837,
87.5705

Harmonies

Analogous

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



40.0403, 18.0829, 13.7441



34.3352, 18.0829, 2.3901



24.3876, 18.0829, 0.0000

Triad

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



34.3352, 18.0829, 2.3901



5.7796, 18.0829, 6.4885



19.6230, 18.0829, 117.5538

Complementary

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



34.3352, 18.0829, 2.3901



44.5729, 64.9249, 88.0238

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.



11.5651, 18.0829, 107.6197



34.3352, 18.0829, 2.3901



5.2705, 18.0829, 27.1406

Square

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



34.3352, 18.0829, 2.3901



8.7359, 18.0829, 0.8499



6.9805, 18.0829, 67.0989



29.8441, 18.0829, 88.2217

Rectangle

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



34.3352, 18.0829, 2.3901



17.8170, 18.0829, 0.0000



6.9805, 18.0829, 67.0989



16.5725, 18.0829, 118.9668

Sweetspot

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



34.3356, 18.0841, 2.3903



67.7118, 59.9974, 54.5499



49.0507, 23.9691, 79.8825



13.9196, 12.0027, 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.



34.3356, 18.0841, 2.3903



41.2405, 21.2609, 1.9302



41.7208, 32.8545, 4.8521



15.0657, 15.0545, 15.6305



19.0681, 9.8305, 0.8925



1.4974, 0.7721, 0.0701

Inverse Universe

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



44.5729, 64.9249, 88.0238



53.7965, 78.7129, 106.9655



22.8145, 21.4080, 80.7710



15.5175, 17.1215, 19.4092



24.8735, 36.3941, 49.4568



1.9532, 2.8580, 3.8836

Previews

White Background



This preview shows how the XYZ color 34.3352, 18.0829, 2.3901 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 34.3352, 18.0829, 2.3901 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 34.3352, 18.0829, 2.3901

Background



This preview shows how black text looks on a background with the XYZ color 34.3352, 18.0829, 2.3901.



This preview shows how white text looks on a background with the XYZ color 34.3352, 18.0829,

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

34.3352, 18.0829, 2.3901

Protanopia

16.6699, 18.3403, 4.7593

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

34.2734, 18.0882, 1.9721

Trichromacy



Original Color

34.3352, 18.0829, 2.3901

Protanomaly

19.9596, 14.8481, 3.3274

Deuteranomaly

21.9685, 15.5786, 2.0788

Tritanomaly

34.2979, 18.0980, 2.1010

Monochromacy



Original Color

34.3352, 18.0829, 2.3901

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

13.2396, 9.2820, 5.6512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3352, 18.0829, 2.3901 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(234, 21, 21)` looks like.

```
.text, #text, p{  
    color:rgb(234, 21, 21)  
}
```

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(234, 21, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 21, 21) }
```

Border

The CSS property to change the border of an element to XYZ 34.3352, 18.0829, 2.3901 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(234, 21, 21) }
```


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

```
.border{ border-color:rgb(234, 21, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 21, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 21, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 21, 21);  
box-shadow:4px 4px 4px 4px rgb(234, 21,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3352, 18.0829, 2.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 21, 21) }
```

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

```
.background{ background-color: rgb(234, 21,  
21) }
```

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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