

Converting Colors

XYZ(34.0053, 18.7913, 2.8121)

Have a look what the booklet for
XYZ(34.0053, 18.7913, 2.8121)
contains.

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Color

**XYZ(34.0053, 18.7913,
2.8121)**

Conversions

Conversions Part 1

Format	Color
Hex	E72B1A
RGB	231, 43, 26
RGB Percent	91%, 17%, 10%
CMY	0.0941, 0.8313, 0.8980
CMYK	0.00, 0.81, 0.89, 0.09
HSL	5°, 81%, 50%
HSV	5°, 89%, 91%
XYZ	34.0053, 18.7913, 2.8121
YIQ	97.2740, 117.5050, 34.5690

Conversions

Conversions Part 2

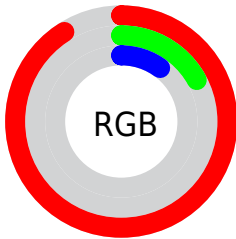
Format	Color
R_{YB}	231, 45, 26
Decimal	15149850
CIE _{Lab}	50.44, 68.57, 55.44
CIE _{LCh}	50, 88.174, 38.956
Yxy	18.7913, 0.6115, 0.3379
Android (android.graphics.Color)	4293339930 (0xFFE72B1A)
YUV	97.2740, -35.1381, 117.2777
Hunter-Lab	43.3489, 64.1646, 26.4980

Details

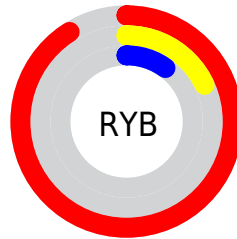
The XYZ color **34.0053, 18.7913, 2.8121** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **38.8915, 54.0728, 83.9878**, and the grayscale version is **11.4955, 12.0941, 13.1705**.

A 20% lighter version of the original color is **47.7677, 32.2834, 10.3703**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.2544, 17.5627, 1.7206**, and if you desaturate by 10%, it is **35.3559, 20.9009, 5.0877**.

Distribution



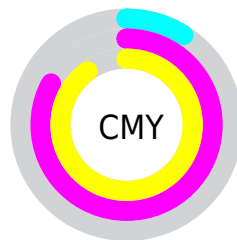
- Red (91%)
- Green (17%)
- Blue (10%)



- Red (91%)
- Yellow (18%)
- Blue (10%)



- Cyan (0%)
- Magenta (81%)
- Yellow (89%)
- Black (9%)





- Cyan (9%)
- Magenta (83%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0053, 18.7913, 2.8121 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 34.0053, 18.7913, 2.8121 by changing the saturation by 10% instead.

 34.0053, 18.7913,
2.8121


 34.0053, 18.7913,
2.8121


311.7412,
245.2942, 133.9303


 23.0606, 11.5196,
0.9995


 65.2861, 41.3811,
11.1612


 14.7592, 6.4175,
0.0000


 86.3530, 57.4681,
18.5347

 8.7358, 3.1005,
0.0000


 111.5246, 77.2622,
28.5990

 4.6250, 1.1844,
0.0000

 141.1663,
101.1478, 41.7725

 2.0614, 0.0489,
0.0000

 175.6434,
129.5095, 58.4739


 0.6681, 0.0000,
0.0000


 215.3214,


 0.0000, 0.0000,


162.7315, 79.1216


0.0000


 260.5655,
201.1983, 104.1342

 34.0053, 18.7913,
2.8121


 34.0053, 18.7913,
2.8121


 33.2544, 17.5627,
1.7206


 35.3559, 20.9009,
5.0877

 33.1905, 17.4605,
1.6209

 37.4097, 24.0168,
8.8293

 40.2465, 28.2455,
14.2290

 43.9349, 33.6790,
21.4498

 48.5362, 40.3996,
30.6349

■ 54.1057, 48.4825,
41.9134

■ 60.6947, 57.9971,
55.4035

■ 68.3505, 69.0078,
71.2143

■ 77.1176, 81.5755,
89.4480

Harmonies

Analogous

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



39.6146, 18.7913, 13.9514



34.0053, 18.7913, 2.8121



24.4632, 18.7913, 0.3269

Triad

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



34.0053, 18.7913, 2.8121



6.4644, 18.7913, 7.7525



20.5539, 18.7913, 111.6068

Complementary

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



34.0053, 18.7913, 2.8121



38.8915, 54.0728, 83.9878

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.



12.5677, 18.7913, 103.8166



34.0053, 18.7913, 2.8121



6.0184, 18.7913, 28.7325

Square

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



34.0053, 18.7913, 2.8121



9.3668, 18.7913, 1.3239



7.8584, 18.7913, 66.8592



30.3699, 18.7913, 83.5772

Rectangle

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



34.0053, 18.7913, 2.8121



18.1627, 18.7913, 0.0000



7.8584, 18.7913, 66.8592



17.5618, 18.7913, 113.3768

Sweetspot

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



34.0057, 18.7925, 2.8124



68.9390, 62.4518, 54.9589



45.8918, 22.7547, 67.8459



14.1986, 12.5608, 10.6288



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.



34.0057, 18.7925, 2.8124



41.5113, 21.8025, 2.0204



42.8389, 36.4590, 5.7568



14.4727, 14.5592, 14.9519



18.6433, 9.8608, 0.9207



1.4112, 0.7957, 0.0792

Inverse Universe

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



38.8915, 54.0728, 83.9878



47.4249, 65.9697, 104.8416



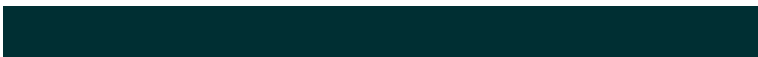
20.9615, 18.2126, 78.0112



14.6997, 16.1209, 18.4812



21.3048, 29.6717, 46.9875



1.6047, 2.2534, 3.4823

Previews

White Background



This preview shows how the XYZ color 34.0053, 18.7913, 2.8121 looks on a white 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

Black Background



This preview shows how the XYZ color 34.0053, 18.7913, 2.8121 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 34.0053, 18.7913, 2.8121

Background



This preview shows how black text looks on a background with the XYZ color 34.0053, 18.7913, 2.8121.



This preview shows how white text looks on a background with the XYZ color 34.0053, 18.7913,

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

34.0053, 18.7913, 2.8121

Protanopia

17.2837, 19.0075, 5.1407

Deuteranopia

19.0796, 18.9369, 2.6496



Tritanopia

34.1309, 18.7280, 3.8234

Trichromacy



Original Color

34.0053, 18.7913, 2.8121

Protanomaly

20.8258, 16.5083, 3.8390

Deuteranomaly

22.6777, 16.9882, 2.3423

Tritanomaly

34.0863, 18.7662, 3.4158

Monochromacy



Original Color

34.0053, 18.7913, 2.8121

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

15.6453, 11.8737, 7.4285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0053, 18.7913, 2.8121 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(231, 43, 26)` looks like.

```
.text, #text, p{  
    color:rgb(231, 43, 26)  
}
```

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(231, 43, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 43, 26) }
```

Border

The CSS property to change the border of an element to XYZ 34.0053, 18.7913, 2.8121 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(231, 43, 26) }
```


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

```
.border{ border-color:rgb(231, 43, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 43, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 43, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 43, 26);  
box-shadow:4px 4px 4px 4px rgb(231, 43,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0053, 18.7913, 2.8121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 43, 26) }
```

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

```
.background{ background-color: rgb(231, 43,  
26) }
```

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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