

Converting Colors

XYZ(34.0428, 18.0671, 3.7154)

Have a look what the booklet for
XYZ(34.0428, 18.0671, 3.7154)
contains.

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Color

**XYZ(34.0311, 18.0478,
3.6974)**

Conversions

Conversions Part 1

Format	Color
Hex	E81A28
RGB	232, 26, 40
RGB Percent	91%, 10%, 16%
CMY	0.0902, 0.8979, 0.8431
CMYK	0.00, 0.89, 0.83, 0.09
HSL	356°, 82%, 51%
HSV	356°, 89%, 91%
XYZ	34.0311, 18.0478, 3.6974
YIQ	89.1900, 118.2820, 48.0260

Conversions

Conversions Part 2

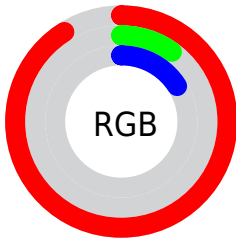
Format	Color
R_{YB}	232, 26, 40
Decimal	15211048
CIE _{Lab}	49.55, 72.48, 48.26
CIE _{LCh}	50, 87.079, 33.655
Yxy	18.0478, 0.6101, 0.3236
Android (android.graphics.Color)	4293401128 (0xFFE81A28)
YUV	89.1900, -24.2507, 125.2444
Hunter-Lab	42.4827, 68.6441, 24.5777

Details

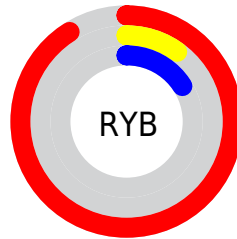
The XYZ color **34.0311, 18.0478, 3.6974** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **41.9416, 62.9962, 76.2976**, and the grayscale version is **9.5745, 10.0731, 10.9696**.

A 20% lighter version of the original color is **47.4221, 30.8718, 12.4763**, and **15.9363, 8.2155, 0.7458** is the 20% darker color. If you saturate the color by 10%, you get **33.4214, 17.2620, 2.1588**, and if you desaturate by 10%, it is **35.2456, 19.7152, 6.4516**.

Distribution



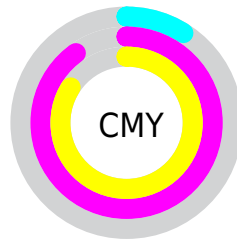
- Red (91%)
- Green (10%)
- Blue (16%)



- Red (91%)
- Yellow (10%)
- Blue (16%)



- Cyan (0%)
- Magenta (89%)
- Yellow (83%)
- Black (9%)





- Cyan (9%)
- Magenta (90%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0311, 18.0478, 3.6974 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 34.0311, 18.0478, 3.6974 by changing the saturation by 10% instead.

 34.0311, 18.0478,
3.6974


 34.0311, 18.0478,
3.6974


311.8542,
241.1403, 144.8001


 23.0805, 10.9843,
1.4609


 65.3260, 40.1188,
13.3056


 14.7740, 6.0563,
0.1885


 86.4010, 55.8950,
21.5144


 8.7462, 2.8793,
0.0000


 111.5815, 75.3443,
32.5510

 4.6318, 1.0691,
0.0000

 141.2329, 98.8511,
46.8339

 2.0654, 0.0000,
0.0000

 175.7205,
126.7996, 64.7818

 0.6703, 0.0000,
0.0000

 215.4097,

 0.0000, 0.0000,

159.5745, 86.8131

0.0000

260.6658,
197.5599, 113.3463

■ 34.0311, 18.0478,
3.6974

■ 34.0311, 18.0478,
3.6974

■ 33.4214, 17.2620,
2.1588

■ 35.2456, 19.7152,
6.4516

■ 33.3700, 17.1923,
2.0396

■ 37.1947, 22.4745,
10.6125

■ 39.9711, 26.4712,
16.3348

■ 43.6535, 31.8280,
23.7526

■ 48.3114, 38.6524,
32.9859

■ 54.0076, 47.0415,
44.1435

■ 60.7996, 57.0839,
57.3258

■ 68.7406, 68.8616,
72.6261

■ 77.8805, 82.4511,
90.1319

Harmonies

Analogous

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



38.3478, 18.0478, 16.8952



34.0311, 18.0478, 3.6974



25.1983, 18.0478, 0.5175

Triad

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



34.0311, 18.0478, 3.6974



6.5053, 18.0478, 5.6008



18.1850, 18.0478, 108.7630

Complementary

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



34.0311, 18.0478, 3.6974



41.9416, 62.9962, 76.2976

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.



11.0346, 18.0478, 94.9241



34.0311, 18.0478, 3.6974



5.6954, 18.0478, 22.6912

Square

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



34.0311, 18.0478, 3.6974



9.7803, 18.0478, 0.9057



7.0496, 18.0478, 57.1001



27.5297, 18.0478, 86.8876

Rectangle

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



34.0311, 18.0478, 3.6974



18.9669, 18.0478, 0.0000



7.0496, 18.0478, 57.1001



15.4603, 18.0478, 108.1826

Sweetspot

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



34.0315, 18.0489, 3.6976



68.2147, 60.1947, 57.2100



42.9113, 20.9883, 78.1328



14.0339, 12.0476, 11.1402



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.



34.0315, 18.0489, 3.6976



41.3435, 21.3014, 2.4751



39.2428, 28.7856, 4.4668



14.4164, 14.3838, 15.1274



18.5421, 9.5510, 1.2176



1.3842, 0.7114, 0.1637

Inverse Universe

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



34.0315, 18.0489, 3.6976



41.3435, 21.3014, 2.4751



25.2985, 26.6589, 80.1556



14.4164, 14.3838, 15.1274



18.5421, 9.5510, 1.2176



1.3842, 0.7114, 0.1637

Previews

White Background



This preview shows how the XYZ color 34.0311, 18.0478, 3.6974 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 34.0311, 18.0478, 3.6974 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 34.0311, 18.0478, 3.6974

Background



This preview shows how black text looks on a background with the XYZ color 34.0311, 18.0478, 3.6974.



This preview shows how white text looks on a background with the XYZ color 34.0311, 18.0478,

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

34.0311, 18.0478, 3.6974

Protanopia

16.8264, 18.3667, 7.2157

Deuteranopia

18.5840, 18.3348, 3.0898



Tritanopia

33.8829, 18.1005, 2.5721

Trichromacy



Original Color

34.0311, 18.0478, 3.6974

Protanomaly

20.0628, 15.0882, 5.3449

Deuteranomaly

21.9403, 15.6583, 2.7857

Tritanomaly

33.9283, 18.0801, 2.9299

Monochromacy



Original Color

34.0311, 18.0478, 3.6974

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

14.0701, 10.0141, 7.1526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0311, 18.0478, 3.6974 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, 26, 40)` looks like.

```
.text, #text, p{  
    color:rgb(232, 26, 40)  
}
```

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, 26, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 26, 40) }
```

Border

The CSS property to change the border of an element to XYZ 34.0311, 18.0478, 3.6974 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, 26, 40) }
```


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

```
.border{ border-color:rgb(232, 26, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 26, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 26, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 26, 40);  
box-shadow:4px 4px 4px 4px rgb(232, 26,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0311, 18.0478, 3.6974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 26, 40) }
```

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

```
.background{ background-color: rgb(232, 26,  
40) }
```

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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