

Converting Colors

XYZ(32.4742, 14.5140, 2.0690)

Have a look what the booklet for
XYZ(32.4742, 14.5140, 2.0690)
contains.

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Color

**XYZ(34.1181, 17.5670,
2.5698)**

Conversions

Conversions Part 1

Format	Color
Hex	EA001A
RGB	234, 0, 26
RGB Percent	92%, 0%, 10%
CMY	0.0824, 0.9998, 0.8980
CMYK	0.00, 1.00, 0.89, 0.08
HSL	353°, 100%, 46%
HSV	353°, 100%, 92%
XYZ	34.1181, 17.5670, 2.5698
YIQ	72.9300, 131.1180, 57.6940

Conversions

Conversions Part 2

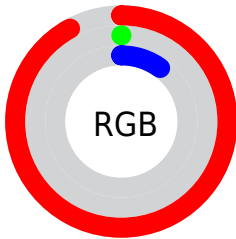
Format	Color
RYB	234, 0, 26
Decimal	15335450
CIELab	48.97, 75.32, 54.64
CIELCh	49, 93.052, 35.961
Yxy	17.5670, 0.6288, 0.3238
Android (android.graphics.Color)	4293525530 (0xFFEA001A)
YUV	72.9300, -23.1365, 141.2584
Hunter-Lab	41.9130, 71.9551, 25.7039

Details

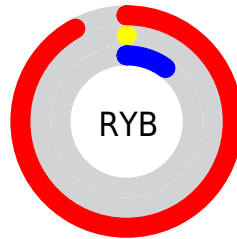
The XYZ color **34.1181, 17.5670, 2.5698** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **40.8156, 63.4024, 69.7987**, and the grayscale version is **6.3493, 6.6800, 7.2745**.

A 20% lighter version of the original color is **46.3032, 29.4087, 9.7146**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.1172, 17.5666, 2.5667**, and if you desaturate by 10%, it is **34.7561, 18.3271, 4.3744**.

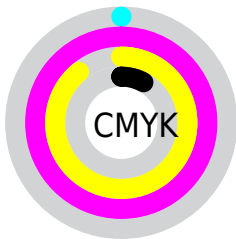
Distribution



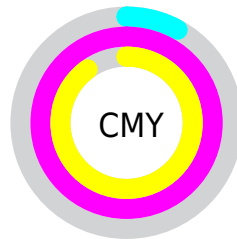
- Red (92%)
- Green (0%)
- Blue (10%)



- Red (92%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1181, 17.5670, 2.5698 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 34.1181, 17.5670, 2.5698 by changing the saturation by 10% instead.


 34.1181, 17.5670,
2.5698


 34.1181, 17.5670,
2.5698


312.2350,
238.4190, 130.6773


 23.1477, 10.6396,
0.8768


 65.4604, 39.2981,
10.5470


 14.8239, 5.8250,
0.0000


 86.5629, 54.8706,
17.6710

 8.7814, 2.7390,
0.0000


 111.7735, 74.0935,
27.4432

 4.6548, 0.9970,
0.0000

 141.4575, 97.3513,
40.2822

 2.0789, 0.0000,
0.0000

 175.9803,
125.0283, 56.6066


 0.6777, 0.0000,
0.0000


 215.7073,


 0.0000, 0.0000,


157.5090, 76.8349


0.0000


 261.0037,
195.1778, 101.3856


 34.1181, 17.5670,
2.5698


 34.1181, 17.5670,
2.5698


 34.1172, 17.5666,
2.5667

 34.7561, 18.3271,
4.3744

 35.9738, 19.9267,
7.3569

 37.9165, 22.6165,
11.6900

 40.6760, 26.5460,
17.5104

 44.3305, 31.8409,
24.9377

■ 48.9488, 38.6116,
34.0792

■ 54.5930, 46.9572,
45.0331

■ 61.3200, 56.9681,
57.8900

■ 69.1824, 68.7279,
72.7345

Harmonies

Analogous

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



39.3258, 17.5670, 14.5920



34.1181, 17.5670, 2.5698



24.4367, 17.5670, 0.0000

Triad

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



34.1181, 17.5670, 2.5698



5.6422, 17.5670, 5.5389



18.4857, 17.5670, 116.5017

Complementary

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



34.1181, 17.5670, 2.5698



40.8156, 63.4024, 69.7987

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.



10.7928, 17.5670, 104.0442



34.1181, 17.5670, 2.5698



5.0107, 17.5670, 24.5170

Square

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



34.1181, 17.5670, 2.5698



8.7058, 17.5670, 0.6367



6.5231, 17.5670, 62.9967



28.5026, 17.5670, 89.4721

Rectangle

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



34.1181, 17.5670, 2.5698



17.8971, 17.5670, 0.0000



6.5231, 17.5670, 62.9967



15.5516, 17.5670, 116.9669

Sweetspot

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



34.1185, 17.5681, 2.5700



66.2279, 56.8873, 54.4938



40.5019, 19.1648, 79.4057



13.5219, 11.2080, 10.4012



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.



34.1185, 17.5681, 2.5700



41.4529, 21.3452, 3.0512



37.5656, 24.7603, 2.8010



15.1334, 15.0812, 15.9876



19.1947, 9.8806, 1.5608



1.5298, 0.7849, 0.2414

Inverse Universe

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



34.1185, 17.5681, 2.5700



41.4529, 21.3452, 3.0512



24.8740, 25.9851, 81.5458



15.1334, 15.0812, 15.9876



19.1947, 9.8806, 1.5608



1.5298, 0.7849, 0.2414

Previews

White Background



This preview shows how the XYZ color 34.1181, 17.5670, 2.5698 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



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 34.1181, 17.5670, 2.5698

Background



This preview shows how black text looks on a background with the XYZ color 34.1181, 17.5670, 2.5698.



This preview shows how white text looks on a background with the XYZ color 34.1181, 17.5670,

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

34.1181, 17.5670, 2.5698

Protanopia

16.5072, 18.0676, 5.3067

Deuteranopia

18.1886, 17.9779, 2.5114



Tritanopia

33.8724, 17.8600, 1.6620

Trichromacy



Original Color

34.1181, 17.5670, 2.5698

Protanomaly

19.2445, 13.6137, 3.5329

Deuteranomaly

21.1249, 14.2295, 1.8916

Tritanomaly

33.7975, 17.6312, 1.8803

Monochromacy



Original Color

34.1181, 17.5670, 2.5698

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

11.2065, 7.1450, 4.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1181, 17.5670, 2.5698 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, 0, 26)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 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(234, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 26) }
```

Border

The CSS property to change the border of an element to XYZ 34.1181, 17.5670, 2.5698 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, 0, 26) }
```


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

```
.border{ border-color:rgb(234, 0, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 0, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(234, 0, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.1181, 17.5670, 2.5698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 26) }
```

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

```
.background{ background-color: rgb(234, 0,  
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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