

Converting Colors

XYZ(34.5954, 18.3542, 2.2852)

Have a look what the booklet for
XYZ(34.5954, 18.3542, 2.2852)
contains.

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Color

**XYZ(34.7395, 18.4446,
2.3015)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1A12
RGB	235, 26, 18
RGB Percent	92%, 10%, 7%
CMY	0.0784, 0.8979, 0.9294
CMYK	0.00, 0.89, 0.92, 0.08
HSL	2°, 86%, 50%
HSV	2°, 92%, 92%
XYZ	34.7395, 18.4446, 2.3015
YIQ	87.5790, 127.1320, 41.8200

Conversions

Conversions Part 2

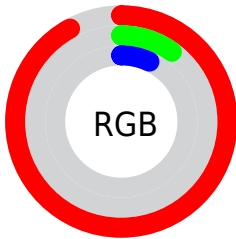
Format	Color
RYB	235, 26, 18
Decimal	15407634
CIELab	50.03, 72.87, 58.55
CIElCh	50, 93.480, 38.779
Yxy	18.4446, 0.6261, 0.3324
Android (android.graphics.Color)	4293597714 (0xFFEB1A12)
YUV	87.5790, -34.3024, 129.2882
Hunter-Lab	42.9472, 69.2291, 26.8857

Details

The XYZ color **34.7395, 18.4446, 2.3015** 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 **42.7062, 61.0496, 88.1295**, and the grayscale version is **9.2402, 9.7214, 10.5866**.

A 20% lighter version of the original color is **46.7452, 30.6010, 8.9117**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.3550, 17.8507, 1.6348**, and if you desaturate by 10%, it is **35.7538, 19.9939, 4.1188**.

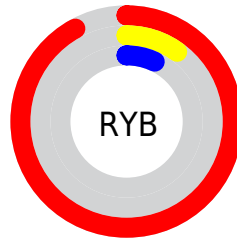
Distribution



Red (92%)

Green (10%)

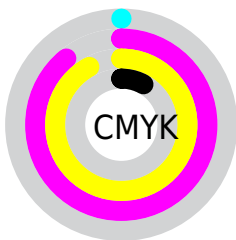
Blue (7%)



Red (92%)

Yellow (10%)

Blue (7%)

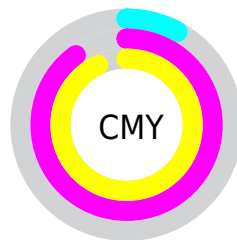


Cyan (0%)

Magenta (89%)

Yellow (92%)

Black (8%)



Cyan (8%)


Magenta (90%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7395, 18.4446, 2.3015 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 34.7395, 18.4446, 2.3015 by changing the saturation by 10% instead.


 34.7395, 18.4446,
2.3015


 34.7395, 18.4446,
2.3015


314.9452,
243.3652, 126.8956


 23.6279, 11.2697,
0.7321


 66.4187, 40.7935,
9.8498

 15.1810, 6.2485,
0.0000


 87.7170, 56.7362,
16.6839

 9.0337, 2.9968,
0.0000


 113.1415, 76.3703,
26.1160

 4.8204, 1.1300,
0.0000

 143.0576,
100.0801, 38.5647

 2.1760, 0.0034,
0.0000

 177.8307,
128.2502, 54.4484


 0.7300, 0.0000,
0.0000


 217.8261,


 0.0000, 0.0000,


161.2648, 74.1858


0.0000


 263.4091,
199.5083, 98.1953


 34.7395, 18.4446,
2.3015


 34.7395, 18.4446,
2.3015


 34.3550, 17.8507,
1.6348

 35.7538, 19.9939,
4.1188

 37.4866, 22.5872,
7.3853

 40.0386, 26.3663,
12.3208

 43.4945, 31.4502,
19.1078

 47.9283, 37.9435,
27.9050

■ 53.4062, 45.9400,
38.8541

■ 59.9888, 55.5257,
52.0839

■ 67.7322, 66.7798,
67.7133

■ 76.6883, 79.7766,
85.8527

Harmonies

Analogous

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



40.7435, 18.4446, 13.4395



34.7395, 18.4446, 2.3015



24.5565, 18.4446, 0.0000

Triad

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



34.7395, 18.4446, 2.3015



5.8555, 18.4446, 6.9709



20.3017, 18.4446, 119.3815

Complementary

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



34.7395, 18.4446, 2.3015



42.7062, 61.0496, 88.1295

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.



11.9923, 18.4446, 110.5044



34.7395, 18.4446, 2.3015



5.4013, 18.4446, 28.6188

Square

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



34.7395, 18.4446, 2.3015



8.7851, 18.4446, 0.9358



7.2185, 18.4446, 69.7333



30.7280, 18.4446, 88.6035

Rectangle

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



34.7395, 18.4446, 2.3015



17.9018, 18.4446, 0.0000



7.2185, 18.4446, 69.7333



17.1654, 18.4446, 121.2561

Sweetspot

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



34.7399, 18.4458, 2.3017



67.4596, 59.9235, 53.1388



48.4481, 23.6831, 75.2463



13.7413, 11.8093, 9.9735



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.



34.7399, 18.4458, 2.3017



41.3424, 21.4648, 1.9641



42.8582, 34.6824, 5.0079



15.1101, 15.1433, 15.6453



19.1405, 9.9752, 0.9166



1.5188, 0.8149, 0.0772

Inverse Universe

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



42.7062, 61.0496, 88.1295



50.8742, 72.8685, 105.9914



21.8734, 19.3841, 81.1852



15.4671, 17.0207, 19.3924



23.5499, 33.7468, 49.0155



1.8642, 2.6798, 3.8539

Previews

White Background



This preview shows how the XYZ color 34.7395, 18.4446, 2.3015 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 34.7395, 18.4446, 2.3015 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 34.7395, 18.4446, 2.3015

Background



This preview shows how black text looks on a background with the XYZ color 34.7395, 18.4446, 2.3015.



This preview shows how white text looks on a background with the XYZ color 34.7395, 18.4446,

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

34.7395, 18.4446, 2.3015

Protanopia

16.8978, 18.6412, 4.5412

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.7479, 18.4480, 2.3455

Trichromacy



Original Color

34.7395, 18.4446, 2.3015

Protanomaly

20.3697, 15.4124, 3.1976

Deuteranomaly

22.3470, 15.9950, 2.1105

Tritanomaly

34.7479, 18.4480, 2.3455

Monochromacy



Original Color

34.7395, 18.4446, 2.3015

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

13.7720, 9.8022, 5.8688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7395, 18.4446, 2.3015 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(235, 26, 18)` looks like.

```
.text, #text, p{  
    color:rgb(235, 26, 18)  
}
```

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(235, 26, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 26, 18) }
```

Border

The CSS property to change the border of an element to XYZ 34.7395, 18.4446, 2.3015 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(235, 26, 18) }
```


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

```
.border{ border-color:rgb(235, 26, 18) }
```

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

Here you see how a box with a 4 pixel rgb(235, 26, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 26, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 26, 18);  
box-shadow:4px 4px 4px 4px rgb(235, 26,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7395, 18.4446, 2.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 26, 18) }
```

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

```
.background{ background-color: rgb(235, 26,  
18) }
```

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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