

Converting Colors

XYZ(34.1112, 19.1695, 2.7820)

Have a look what the booklet for
XYZ(34.1112, 19.1695, 2.7820)
contains.

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Color

**XYZ(34.2182, 19.2515,
2.7766)**

Conversions

Conversions Part 1

Format	Color
Hex	E73118
RGB	231, 49, 24
RGB Percent	91%, 19%, 9%
CMY	0.0941, 0.8078, 0.9059
CMYK	0.00, 0.79, 0.90, 0.09
HSL	7°, 81%, 50%
HSV	7°, 90%, 91%
XYZ	34.2182, 19.2515, 2.7766
YIQ	100.5680, 116.4970, 30.8090

Conversions

Conversions Part 2

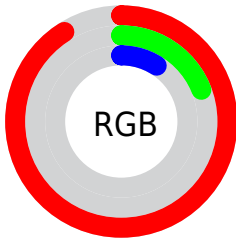
Format	Color
R _Y B	231, 52, 24
Decimal	15151384
CIE Lab	50.98, 66.99, 56.61
CIE LCh	51, 87.706, 40.204
Yxy	19.2515, 0.6084, 0.3423
Android (android.graphics.Color)	4293341464 (0xFFE73118)
YUV	100.5680, -37.7480, 114.3889
Hunter-Lab	43.8765, 62.4237, 26.9616

Details

The XYZ color **34.2182, 19.2515, 2.7766** 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 **36.8682, 50.0993, 83.3277**, and the grayscale version is **12.3332, 12.9755, 14.1303**.

A 20% lighter version of the original color is **48.1605, 33.1233, 10.3337**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.3919, 17.8552, 1.7124**, and if you desaturate by 10%, it is **35.6180, 21.4911, 4.9710**.

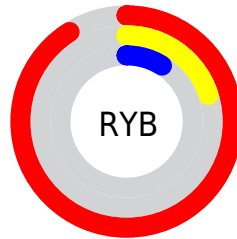
Distribution



Red (91%)

Green (19%)

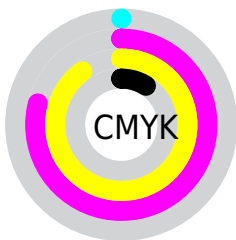
Blue (9%)



Red (91%)

Yellow (20%)

Blue (9%)

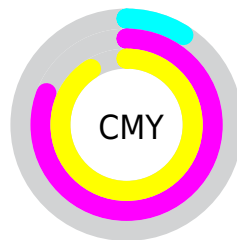


Cyan (0%)

Magenta (79%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (81%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2182, 19.2515, 2.7766 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 34.2182, 19.2515, 2.7766 by changing the saturation by 10% instead.


 34.2182, 19.2515,
2.7766


 34.2182, 19.2515,
2.7766


312.6727,
247.8337, 133.4624


 23.2250, 11.8521,
0.9817


 65.6149, 42.1586,
11.0720


 14.8813, 6.6431,
0.0000


 86.7490, 58.4352,
18.4097


 8.8219, 3.2399,
0.0000


 111.9942, 78.4397,
28.4320

 4.6814, 1.2582,
0.0000

 141.7157,
102.5564, 41.5575

 2.0944, 0.1085,
0.0000

 176.2790,
131.1697, 58.2047


 0.6862, 0.0000,
0.0000


 216.0494,


 0.0000, 0.0000,


164.6641, 78.7923


0.0000


 261.3921,
203.4240, 103.7387


 34.2182, 19.2515,
2.7766


 34.2182, 19.2515,
2.7766

 33.3919, 17.8552,
1.7124


 35.6180, 21.4911,
4.9710

 33.3680, 17.8152,
1.6800

 37.6919, 24.6841,
8.6057

 40.5135, 28.9236,
13.8736

 44.1464, 34.2909,
20.9378

 48.6473, 40.8588,
29.9412

■ 54.0677, 48.6944,
41.0127

■ 60.4550, 57.8593,
54.2697

■ 67.8534, 68.4116,
69.8212

■ 76.3044, 80.4057,
87.7685

Harmonies

Analogous

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



40.1065, 19.2515, 13.5885



34.2182, 19.2515, 2.7766



24.5469, 19.2515, 0.3757

Triad

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



34.2182, 19.2515, 2.7766



6.6650, 19.2515, 8.5903



21.4139, 19.2515, 111.8530

Complementary

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



34.2182, 19.2515, 2.7766



36.8682, 50.0993, 83.3277

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.



13.2113, 19.2515, 105.6586



34.2182, 19.2515, 2.7766



6.3036, 19.2515, 30.6112

Square

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



34.2182, 19.2515, 2.7766



9.5063, 19.2515, 1.5524



8.2880, 19.2515, 69.3739



31.3114, 19.2515, 82.6873

Rectangle

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



34.2182, 19.2515, 2.7766



18.2388, 19.2515, 0.0134



8.2880, 19.2515, 69.3739



18.3573, 19.2515, 114.1744

Sweetspot

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



34.2186, 19.2527, 2.7769



69.5154, 63.6046, 55.1511



44.5255, 22.1398, 60.8617



14.3303, 12.8241, 10.6727



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.



34.2186, 19.2527, 2.7769



41.7252, 22.2303, 2.0917



44.2912, 39.3979, 6.1344



14.5166, 14.6471, 14.9665



18.7538, 10.0818, 0.9575



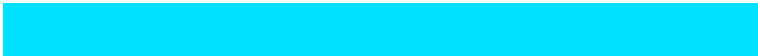
1.4321, 0.8376, 0.0862

Inverse Universe

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



36.8682, 50.0993, 83.3277



44.7555, 60.6311, 103.9518



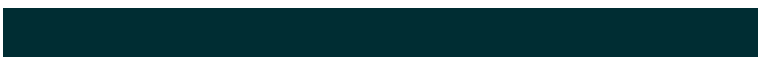
19.6857, 15.7341, 77.6002



14.6510, 16.0234, 18.4650



20.1313, 27.3247, 46.5963



1.5297, 2.1034, 3.4573

Previews

White Background



This preview shows how the XYZ color 34.2182, 19.2515, 2.7766 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 34.2182, 19.2515, 2.7766 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 34.2182, 19.2515, 2.7766

Background



This preview shows how black text looks on a background with the XYZ color 34.2182, 19.2515, 2.7766.



This preview shows how white text looks on a background with the XYZ color 34.2182, 19.2515,

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

34.2182, 19.2515, 2.7766

Protanopia

17.6763, 19.3975, 4.9103

Deuteranopia

19.5718, 19.3608, 2.7055



Tritanopia

34.4846, 19.2272, 4.5830

Trichromacy



Original Color

34.2182, 19.2515, 2.7766

Protanomaly

21.1902, 16.9637, 3.7476

Deuteranomaly

23.1679, 17.6191, 2.4382

Tritanomaly

34.3782, 19.2493, 3.8230

Monochromacy



Original Color

34.2182, 19.2515, 2.7766

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

16.4326, 12.8115, 7.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2182, 19.2515, 2.7766 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, 49, 24)` looks like.

```
.text, #text, p{  
    color:rgb(231, 49, 24)  
}
```

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, 49, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 49, 24) }
```

Border

The CSS property to change the border of an element to XYZ 34.2182, 19.2515, 2.7766 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, 49, 24) }
```


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

```
.border{ border-color:rgb(231, 49, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 49, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 49, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 49, 24);  
box-shadow:4px 4px 4px 4px rgb(231, 49,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2182, 19.2515, 2.7766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 49, 24) }
```

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

```
.background{ background-color: rgb(231, 49,  
24) }
```

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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