

Converting Colors

XYZ(34.9523, 20.9034, 2.1926)

Have a look what the booklet for
XYZ(34.9523, 20.9034, 2.1926)
contains.

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Color

**XYZ(34.9032, 20.8854,
2.1917)**

Conversions

Conversions Part 1

Format	Color
Hex	E74200
RGB	231, 66, 0
RGB Percent	91%, 26%, 0%
CMY	0.0941, 0.7411, 1.0000
CMYK	0.00, 0.71, 1.00, 0.09
HSL	17°, 100%, 45%
HSV	17°, 100%, 91%
XYZ	34.9032, 20.8854, 2.1917
YIQ	107.8110, 119.5260, 14.4540

Conversions

Conversions Part 2

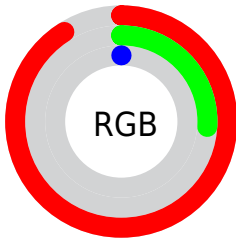
Format	Color
RYB	231, 92, 0
Decimal	15155712
CIELab	52.82, 61.40, 64.26
CIELCh	53, 88.874, 46.304
Yxy	20.8854, 0.6020, 0.3602
Android (android.graphics.Color)	4293345792 (0xFFE74200)
YUV	107.8110, -53.1508, 108.0368
Hunter-Lab	45.7005, 56.3511, 29.1470

Details

The XYZ color **34.9032, 20.8854, 2.1917** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **27.8771, 32.6762, 80.4384**, and the grayscale version is **14.3232, 15.0691, 16.4102**.

A 20% lighter version of the original color is **49.2900, 36.0122, 8.7681**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **34.9035, 20.8863, 2.1919**, and if you desaturate by 10%, it is **36.1664, 23.1631, 3.3808**.

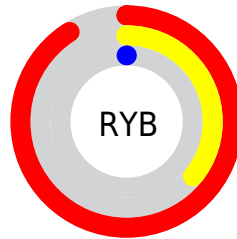
Distribution



Red (91%)

Green (26%)

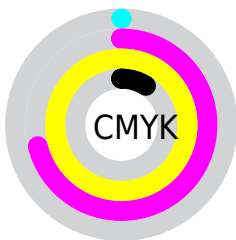
Blue (0%)



Red (91%)

Yellow (36%)

Blue (0%)

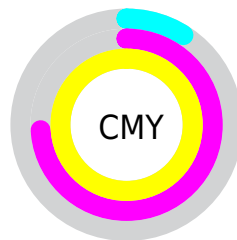


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (74%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9032, 20.8854, 2.1917 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 34.9032, 20.8854, 2.1917 by changing the saturation by 10% instead.


 34.9032, 20.8854,
2.1917


 34.9032, 20.8854,
2.1917


315.6564,
256.6688, 125.2859


 23.7545, 13.0403,
0.6696


 66.6708, 44.8967,
9.5586

 15.2753, 7.4563,
0.0000


 88.0204, 61.8317,
16.2694


 9.1004, 3.7491,
0.0000


 113.5010, 82.5654,
25.5565

 4.8644, 1.5342,
0.0000

 143.4779,
107.4823, 37.8385

 2.2018, 0.3126,
0.0000

 178.3166,
136.9666, 53.5339

 0.7437, 0.0000,
0.0000


 218.3823,


 0.0000, 0.0000,


171.4029, 73.0612


0.0000


 264.0404,
211.1755, 96.8391


 34.9032, 20.8854,
2.1917


 34.9032, 20.8854,
2.1917


 34.9035, 20.8863,
2.1919

 36.1664, 23.1631,
3.3808

 37.9147, 26.1133,
5.6479

 40.2273, 29.8002,
9.3115

 43.1565, 34.2733,
14.5587

 46.7479, 39.5774,
21.5472

■ 51.0421, 45.7537,
30.4155

■ 56.0766, 52.8403,
41.2878

■ 61.8858, 60.8731,
54.2779

■ 68.5019, 69.8861,
69.4908

Harmonies

Analogous

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



42.3705, 20.8854, 11.2010



34.9032, 20.8854, 2.1917



24.3820, 20.8854, 0.3306

Triad

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



34.9032, 20.8854, 2.1917



7.0728, 20.8854, 12.6611



25.2926, 20.8854, 115.4825

Complementary

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



34.9032, 20.8854, 2.1917



27.8771, 32.6762, 80.4384

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.



15.9192, 20.8854, 117.2698



34.9032, 20.8854, 2.1917



7.1790, 20.8854, 40.3123

Square

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



34.9032, 20.8854, 2.1917



9.5438, 20.8854, 2.5558



9.9005, 20.8854, 83.3001



35.7463, 20.8854, 79.4537

Rectangle

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



34.9032, 20.8854, 2.1917



17.9557, 20.8854, 0.1915



9.9005, 20.8854, 83.3001



21.8751, 20.8854, 120.7176

Sweetspot

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



34.9036, 20.8867, 2.1920



70.0641, 65.9702, 51.4239



39.7965, 19.7255, 37.5704



14.4016, 13.2870, 9.7087



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.



34.9036, 20.8867, 2.1920



43.6139, 26.0078, 2.7213



49.4684, 50.0162, 7.0469



14.7107, 15.0354, 15.0312



19.6592, 11.8926, 1.2593



1.5301, 1.0335, 0.1188

Inverse Universe

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



27.8771, 32.6762, 80.4384



34.8049, 40.7298, 100.6350



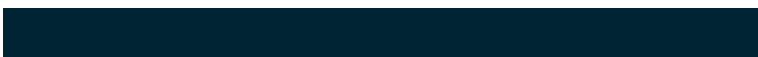
15.5666, 8.0552, 76.3349



14.4412, 15.6038, 18.3950



15.7393, 18.5407, 45.1323



1.2414, 1.5267, 3.3612

Previews

White Background



This preview shows how the XYZ color 34.9032, 20.8854, 2.1917 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



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 34.9032, 20.8854, 2.1917

Background



This preview shows how black text looks on a background with the XYZ color 34.9032, 20.8854, 2.1917.



This preview shows how white text looks on a background with the XYZ color 34.9032, 20.8854,

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

34.9032, 20.8854, 2.1917

Protanopia

19.1035, 21.0930, 4.0418

Deuteranopia

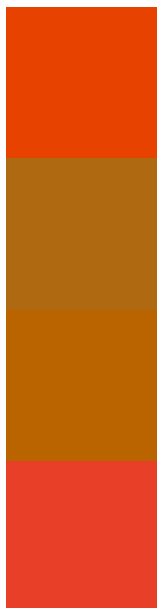
21.2137, 20.9065, 2.9173



Tritanopia

35.9267, 20.9712, 7.0048

Trichromacy



Original Color

34.9032, 20.8854, 2.1917

Protanomaly

22.8319, 19.2576, 3.0440

Deuteranomaly

24.8069, 19.5534, 2.4667

Tritanomaly

35.4565, 20.8709, 4.2575

Monochromacy



Original Color

34.9032, 20.8854, 2.1917

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

18.1254, 15.0307, 7.5761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9032, 20.8854, 2.1917 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, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 66, 0)  
}
```

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, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 66, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.9032, 20.8854, 2.1917 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, 66, 0) }
```


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

```
.border{ border-color:rgb(231, 66, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 66, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 66, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.9032, 20.8854, 2.1917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 66, 0) }
```

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

```
.background{ background-color: rgb(231, 66,  
0) }
```

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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