

Converting Colors

XYZ(34.9823, 21.7307, 2.8227)

Have a look what the booklet for
XYZ(34.9823, 21.7307, 2.8227)
contains.

XYZ(34.9227, 21.7276, 2.8434)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.9227, 21.7276,
2.8434)**

Conversions

Conversions Part 1

Format	Color
Hex	E54B10
RGB	229, 75, 16
RGB Percent	90%, 29%, 6%
CMY	0.1020, 0.7058, 0.9372
CMYK	0.00, 0.67, 0.93, 0.10
HSL	17°, 87%, 48%
HSV	17°, 93%, 90%
XYZ	34.9227, 21.7276, 2.8434
YIQ	114.3200, 110.7230, 14.2990

Conversions

Conversions Part 2

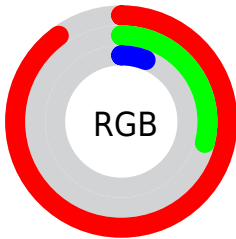
Format	Color
R_{YB}	229, 98, 16
Decimal	15026960
CIE Lab	53.74, 57.53, 60.90
CIE LCh	54, 83.775, 46.630
Yxy	21.7276, 0.5870, 0.3652
Android (android.graphics.Color)	4293217040 (0xFFE54B10)
YUV	114.3200, -48.4718, 100.5744
Hunter-Lab	46.6129, 52.1610, 29.0123

Details

The XYZ color **34.9227, 21.7276, 2.8434** 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 **28.7294, 34.5132, 79.2756**, and the grayscale version is **16.2096, 17.0538, 18.5715**.

A 20% lighter version of the original color is **50.4618, 37.9348, 10.4569**, and **15.5170, 7.9993, 0.7262** is the 20% darker color. If you saturate the color by 10%, you get **34.1149, 20.2620, 2.1129**, and if you desaturate by 10%, it is **36.4671, 24.3831, 4.6953**.

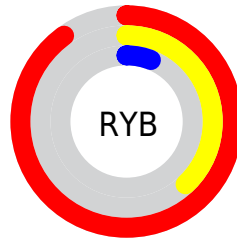
Distribution



Red (90%)

Green (29%)

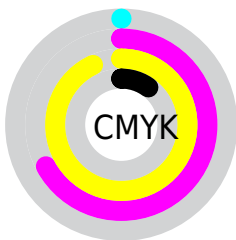
Blue (6%)



Red (90%)

Yellow (38%)

Blue (6%)

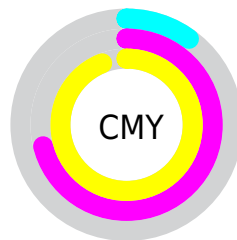


Cyan (0%)

Magenta (67%)

Yellow (93%)

Black (10%)



Cyan (10%)


Magenta (71%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9227, 21.7276, 2.8434 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 34.9227, 21.7276, 2.8434 by changing the saturation by 10% instead.


 34.9227, 21.7276,
2.8434


 34.9227, 21.7276,
2.8434


315.7410,
261.1204, 134.3404

 23.7696, 13.6569,
1.0152


 66.7008, 46.2954,
11.2395

 15.2866, 7.8824,
0.0000


 88.0565, 63.5612,
18.6445

 9.1084, 4.0198,
0.0000


 113.5438, 84.6609,
28.7456

 4.8696, 1.6846,
0.0000

 143.5279,
109.9788, 41.9613

 2.2049, 0.4137,
0.0000

 178.3744,
139.8993, 58.7100


 0.7453, 0.0000,
0.0000


 218.4485,


 0.0000, 0.0000,


174.8068, 79.4104


0.0000


 264.1156,
215.0857, 104.4811


 34.9227, 21.7276,
2.8434


 34.9227, 21.7276,
2.8434


 34.1149, 20.2620,
2.1129

 36.4671, 24.3831,
4.6953

 38.5524, 27.7544,
7.8542

 41.2336, 31.8948,
12.5154

 44.5578, 36.8508,
18.8410

 48.5668, 42.6650,
26.9715

■ 53.2986, 49.3767,
37.0327

■ 58.7883, 57.0228,
49.1389

■ 65.0686, 65.6379,
63.3954

■ 72.1702, 75.2551,
79.9004

Harmonies

Analogous

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



42.0074, 21.7276, 12.1396



34.9227, 21.7276, 2.8434



24.9070, 21.7276, 0.7792

Triad

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



34.9227, 21.7276, 2.8434



7.9959, 21.7276, 13.9663



25.9977, 21.7276, 109.7127

Complementary

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



34.9227, 21.7276, 2.8434



28.7294, 34.5132, 79.2756

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.



16.9105, 21.7276, 111.7504



34.9227, 21.7276, 2.8434



8.1317, 21.7276, 40.8199

Square

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



34.9227, 21.7276, 2.8434



10.4708, 21.7276, 3.3560



10.9188, 21.7276, 80.8868



35.9181, 21.7276, 76.4549

Rectangle

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



34.9227, 21.7276, 2.8434



18.7212, 21.7276, 0.6596



10.9188, 21.7276, 80.8868



22.7099, 21.7276, 114.6165

Sweetspot

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



34.9232, 21.7289, 2.8437



71.2958, 67.5958, 54.4175



39.9638, 20.0148, 40.8874



14.6306, 13.5879, 10.2699



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.



34.9232, 21.7289, 2.8437



43.4707, 25.7215, 2.6736



48.5866, 49.0558, 7.3982



14.7004, 15.0146, 15.0278



19.5923, 11.7588, 1.2370



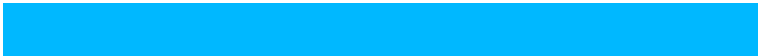
1.5240, 1.0214, 0.1168

Inverse Universe

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



28.7294, 34.5132, 79.2756



35.2643, 41.6486, 100.7881



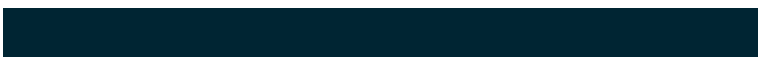
16.2873, 9.6289, 75.1282



14.4522, 15.6258, 18.3987



15.9428, 18.9478, 45.2002



1.2551, 1.5541, 3.3658

Previews

White Background



This preview shows how the XYZ color 34.9227, 21.7276, 2.8434 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 34.9227, 21.7276, 2.8434 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 34.9227, 21.7276, 2.8434

Background



This preview shows how black text looks on a background with the XYZ color 34.9227, 21.7276, 2.8434.



This preview shows how white text looks on a background with the XYZ color 34.9227, 21.7276,

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

34.9227, 21.7276, 2.8434

Protanopia

19.7746, 21.8192, 4.4656

Deuteranopia

22.0638, 21.7056, 3.0267



Tritanopia

36.0593, 21.6977, 8.7661

Trichromacy



Original Color

34.9227, 21.7276, 2.8434

Protanomaly

23.5596, 20.2420, 3.6426

Deuteranomaly

25.5780, 20.6811, 2.8160

Tritanomaly

35.5931, 21.7148, 5.6836

Monochromacy



Original Color

34.9227, 21.7276, 2.8434

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.6426, 16.7323, 9.4021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9227, 21.7276, 2.8434 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(229, 75, 16)` looks like.

```
.text, #text, p{  
    color:rgb(229, 75, 16)  
}
```

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(229, 75, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 75, 16) }
```

Border

The CSS property to change the border of an element to XYZ 34.9227, 21.7276, 2.8434 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(229, 75, 16) }
```


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

```
.border{ border-color:rgb(229, 75, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 75, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 75, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 75, 16);  
box-shadow:4px 4px 4px 4px rgb(229, 75,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9227, 21.7276, 2.8434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 75, 16) }
```

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

```
.background{ background-color: rgb(229, 75,  
16) }
```

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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