

Converting Colors

XYZ(36.9045, 22.7620, 2.7924)

Have a look what the booklet for
XYZ(36.9045, 22.7620, 2.7924)
contains.

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Color

**XYZ(36.8434, 22.7209,
2.7915)**

Conversions

Conversions Part 1

Format	Color
Hex	EB4B0C
RGB	235, 75, 12
RGB Percent	92%, 29%, 5%
CMY	0.0784, 0.7058, 0.9529
CMYK	0.00, 0.68, 0.95, 0.08
HSL	17°, 90%, 48%
HSV	17°, 95%, 92%
XYZ	36.8434, 22.7209, 2.7915
YIQ	115.6580, 115.5830, 14.3270

Conversions

Conversions Part 2

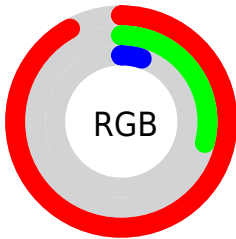
Format	Color
RYB	235, 100, 12
Decimal	15420172
CIELab	54.78, 59.46, 63.07
CIELCh	55, 86.681, 46.684
Yxy	22.7209, 0.5909, 0.3644
Android (android.graphics.Color)	4293610252 (0xFFEB4B0C)
YUV	115.6580, -51.1034, 104.6629
Hunter-Lab	47.6664, 54.5539, 29.8943

Details

The XYZ color **36.8434, 22.7209, 2.7915** 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 **29.8976, 35.5776, 83.8880**, and the grayscale version is **16.6237, 17.4895, 19.0460**.

A 20% lighter version of the original color is **50.5347, 38.1799, 10.1748**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **36.2324, 21.6054, 2.2606**, and if you desaturate by 10%, it is **38.3875, 25.4184, 4.5125**.

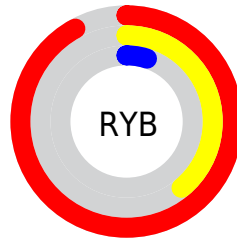
Distribution



Red (92%)

Green (29%)

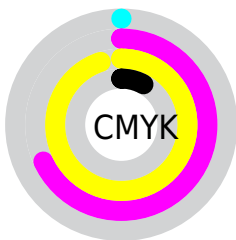
Blue (5%)



Red (92%)

Yellow (39%)

Blue (5%)

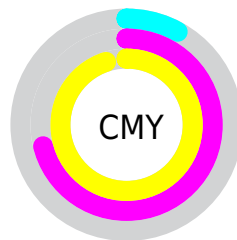


Cyan (0%)

Magenta (68%)

Yellow (95%)

Black (8%)



Cyan (8%)


Magenta (71%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8434, 22.7209, 2.7915 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 36.8434, 22.7209, 2.7915 by changing the saturation by 10% instead.


 36.8434, 22.7209,
2.7915


 36.8434, 22.7209,
2.7915


323.9994,
266.2882, 133.6591


 25.2594, 14.3876,
0.9892


 69.6473, 47.9346,
11.1095

 16.4002, 8.3907,
0.0000


 91.5978, 65.5838,
18.4622

 9.9004, 4.3460,
0.0000


 117.7346, 87.1071,
28.5022

 5.3947, 1.8689,
0.0000

 148.4230,
112.8888, 41.6479

 2.5178, 0.5296,
0.0000

 184.0283,
143.3134, 58.3179


 0.9042, 0.0000,
0.0000


 224.9159,


 0.0000, 0.0000,


178.7652, 78.9307


0.0000


 271.4511,
219.6287, 103.9050


 36.8434, 22.7209,
2.7915


 36.8434, 22.7209,
2.7915


 36.2324, 21.6054,
2.2606

 38.3875, 25.4184,
4.5125

 40.4901, 28.8578,
7.5740

 43.2115, 33.0962,
12.1939

 46.6025, 38.1831,
18.5501

 50.7082, 44.1637,
26.7960

■ 55.5694, 51.0796,
37.0683

■ 61.2236, 58.9699,
49.4906

■ 67.7057, 67.8713,
64.1766

■ 75.0485, 77.8185,
81.2321

Harmonies

Analogous

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



44.4603, 22.7209, 12.4815



36.8434, 22.7209, 2.7915



26.1183, 22.7209, 0.7064

Triad

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



36.8434, 22.7209, 2.7915



8.1798, 22.7209, 14.4760



27.3226, 22.7209, 117.3796

Complementary

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



36.8434, 22.7209, 2.7915



29.8976, 35.5776, 83.8880

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.



17.6276, 22.7209, 119.6586



36.8434, 22.7209, 2.7915



8.3272, 22.7209, 43.1689

Square

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



36.8434, 22.7209, 2.7915



10.7810, 22.7209, 3.3350



11.2697, 22.7209, 86.3272



37.9465, 22.7209, 81.3841

Rectangle

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



36.8434, 22.7209, 2.7915



19.5232, 22.7209, 0.5847



11.2697, 22.7209, 86.3272



23.8096, 22.7209, 122.7127

Sweetspot

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



36.8439, 22.7223, 2.7918



71.3891, 67.7825, 54.4486



42.1825, 21.0412, 42.6707



14.6525, 13.6317, 10.2772



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.



36.8439, 22.7223, 2.7918



43.5607, 25.9014, 2.7036



51.2536, 51.5418, 7.5951



15.4120, 15.7470, 15.7459



20.2585, 12.2112, 1.2893



1.6700, 1.1172, 0.1276

Inverse Universe

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



29.8976, 35.5776, 83.8880



34.9728, 41.0657, 100.6909



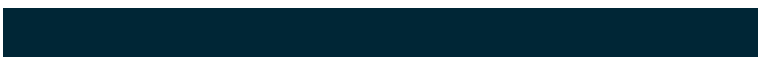
16.9823, 9.7470, 79.5829



15.1371, 16.3607, 19.2824



16.3141, 19.2752, 46.6036



1.3619, 1.6753, 3.6865

Previews

White Background



This preview shows how the XYZ color 36.8434, 22.7209, 2.7915 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 36.8434, 22.7209, 2.7915 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 36.8434, 22.7209, 2.7915

Background



This preview shows how black text looks on a background with the XYZ color 36.8434, 22.7209, 2.7915.



This preview shows how white text looks on a background with the XYZ color 36.8434, 22.7209,

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

36.8434, 22.7209, 2.7915

Protanopia

20.6858, 22.8871, 4.4898

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

37.9848, 22.6942, 8.6817

Trichromacy



Original Color

36.8434, 22.7209, 2.7915

Protanomaly

24.6615, 21.1340, 3.5901

Deuteranomaly

26.7655, 21.6005, 2.8735

Tritanomaly

37.5070, 22.7066, 5.5379

Monochromacy



Original Color

36.8434, 22.7209, 2.7915

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.3269, 17.2283, 9.4618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8434, 22.7209, 2.7915 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, 75, 12)` looks like.

```
.text, #text, p{  
    color:rgb(235, 75, 12)  
}
```

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, 75, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 75, 12) }
```

Border

The CSS property to change the border of an element to XYZ 36.8434, 22.7209, 2.7915 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, 75, 12) }
```


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

```
.border{ border-color:rgb(235, 75, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 75, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 75, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 75, 12);  
box-shadow:4px 4px 4px 4px rgb(235, 75,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8434, 22.7209, 2.7915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 75, 12) }
```

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

```
.background{ background-color: rgb(235, 75,  
12) }
```

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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