

Converting Colors

XYZ(34.3529, 22.8879, 2.6072)

Have a look what the booklet for
XYZ(34.3529, 22.8879, 2.6072)
contains.

XYZ(34.2302, 22.8267, 2.6019)	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(34.2302, 22.8267,
2.6019)**

Conversions

Conversions Part 1

Format	Color
Hex	E05800
RGB	224, 88, 0
RGB Percent	88%, 35%, 0%
CMY	0.1216, 0.6549, 1.0000
CMYK	0.00, 0.61, 1.00, 0.12
HSL	24°, 100%, 44%
HSV	24°, 100%, 88%
XYZ	34.2302, 22.8267, 2.6019
YIQ	118.6320, 109.3040, 1.4640

Conversions

Conversions Part 2

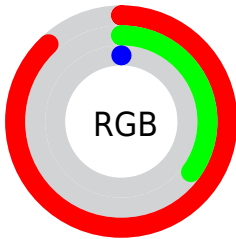
Format	Color
R_{YB}	224, 145, 0
Decimal	14702592
CIE _{Lab}	54.89, 50.16, 64.62
CIE _{LCh}	55, 81.806, 52.181
Yxy	22.8267, 0.5738, 0.3826
Android (android.graphics.Color)	4292892672 (0xFFE05800)
YUV	118.6320, -58.4856, 92.4077
Hunter-Lab	47.7773, 44.2766, 30.2152

Details

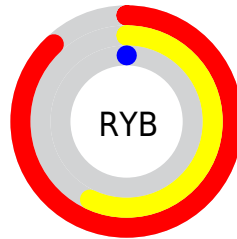
The XYZ color **34.2302, 22.8267, 2.6019** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **22.2583, 22.9893, 73.7847**, and the grayscale version is **17.5740, 18.4893, 20.1348**.

A 20% lighter version of the original color is **51.8384, 40.9762, 10.0275**, and **15.0137, 8.5066, 0.8506** is the 20% darker color. If you saturate the color by 10%, you get **34.2304, 22.8274, 2.6020**, and if you desaturate by 10%, it is **35.6019, 25.3325, 3.7930**.

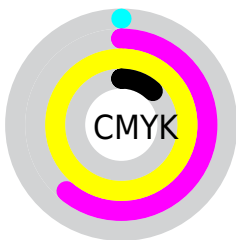
Distribution



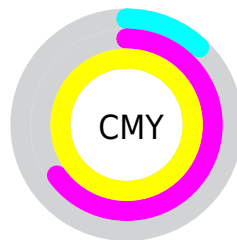
- Red (88%)
- Green (35%)
- Blue (0%)



- Red (88%)
- Yellow (57%)
- Blue (0%)



- Cyan (0%)
- Magenta (61%)
- Yellow (100%)
- Black (12%)





- Cyan (12%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2302, 22.8267, 2.6019 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 34.2302, 22.8267, 2.6019 by changing the saturation by 10% instead.

 34.2302, 22.8267,
2.6019

 34.2302, 22.8267,
2.6019


312.7252,
266.8336, 131.1165


 23.2342, 14.4656,
0.8934


 65.6334, 48.1086,
10.6292


 14.8882, 8.4452,
0.0000


 86.7713, 65.7982,
17.7868


 8.8268, 4.3811,
0.0000


 112.0207, 87.3661,
27.5985

 4.6846, 1.8890,
0.0000

 141.7467,
113.1967, 40.4828

 2.0962, 0.5417,
0.0000

 176.3148,
143.6743, 56.8582


 0.6872, 0.0000,
0.0000


 216.0903,


 0.0000, 0.0000,


179.1834, 77.1433


0.0000


 261.4387,
220.1084, 101.7565


 34.2302, 22.8267,
2.6019


 34.2302, 22.8267,
2.6019


 34.2304, 22.8274,
2.6020

 35.6019, 25.3325,
3.7930

 37.3646, 28.3439,
5.9647

 39.5844, 31.9046,
9.4145

 42.3025, 36.0458,
14.3131

 45.5546, 40.7960,
20.8043

■ 49.3725, 46.1814,
29.0146

■ 53.7852, 52.2263,
39.0572

■ 58.8195, 58.9537,
51.0359

■ 64.5006, 66.3855,
65.0466

Harmonies

Analogous

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



42.1619, 22.8267, 10.3734



34.2302, 22.8267, 2.6019



24.1539, 22.8267, 0.9507

Triad

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



34.2302, 22.8267, 2.6019



8.6069, 22.8267, 18.6650



28.9620, 22.8267, 105.6199

Complementary

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



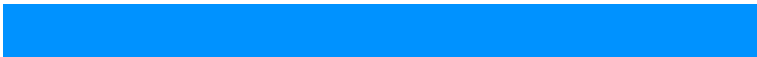
34.2302, 22.8267, 2.6019



22.2583, 22.9893, 73.7847

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.



19.4110, 22.8267, 114.3208



34.2302, 22.8267, 2.6019



9.2302, 22.8267, 48.8567

Square

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



34.2302, 22.8267, 2.6019



10.6370, 22.8267, 5.0948



12.6697, 22.8267, 88.7915



38.5772, 22.8267, 69.7283

Rectangle

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



34.2302, 22.8267, 2.6019



18.2231, 22.8267, 1.0276



12.6697, 22.8267, 88.7915



25.5845, 22.8267, 112.5059

Sweetspot

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



34.2307, 22.8280, 2.6023



72.0177, 69.8775, 52.0751



35.3376, 17.6862, 25.6474



14.8569, 14.1978, 9.8605



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.



34.2307, 22.8280, 2.6023



45.8149, 30.4097, 3.4550



50.9039, 56.1745, 8.1600



14.1468, 14.5795, 14.3753



20.0291, 13.4962, 1.5494



1.4737, 1.1063, 0.1359

Inverse Universe

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



22.2583, 22.9893, 73.7847



29.7407, 30.6014, 98.9469



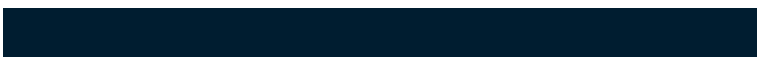
13.8270, 6.1268, 70.9743



13.6410, 14.6211, 17.4909



13.0708, 13.6111, 42.9867



0.9924, 1.1163, 3.0084

Previews

White Background



This preview shows how the XYZ color 34.2302, 22.8267, 2.6019 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 34.2302, 22.8267, 2.6019 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 34.2302, 22.8267, 2.6019

Background



This preview shows how black text looks on a background with the XYZ color 34.2302, 22.8267, 2.6019.



This preview shows how white text looks on a background with the XYZ color 34.2302, 22.8267,

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

34.2302, 22.8267, 2.6019

Protanopia

20.7905, 22.9500, 4.0931

Deuteranopia

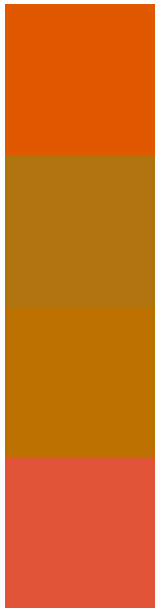
23.2700, 22.8827, 3.1903



Tritanopia

36.1016, 22.8915, 11.5326

Trichromacy



Original Color

34.2302, 22.8267, 2.6019

Protanomaly

24.2292, 21.7526, 3.3371

Deuteranomaly

26.5332, 22.2797, 2.9020

Tritanomaly

34.9112, 22.6240, 6.1413

Monochromacy



Original Color

34.2302, 22.8267, 2.6019

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.5717, 18.4150, 9.3077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2302, 22.8267, 2.6019 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(224, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 88, 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(224, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2302, 22.8267, 2.6019 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(224, 88, 0) }
```


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

```
.border{ border-color:rgb(224, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.2302, 22.8267, 2.6019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 88, 0) }
```

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

```
.background{ background-color: rgb(224, 88,  
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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