

Converting Colors

XYZ(35.1927, 22.0415, 2.3996)

Have a look what the booklet for
XYZ(35.1927, 22.0415, 2.3996)
contains.

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Color

**XYZ(35.2870, 22.1307,
2.4118)**

Conversions

Conversions Part 1

Format	Color
Hex	E64D00
RGB	230, 77, 0
RGB Percent	90%, 30%, 0%
CMY	0.0980, 0.6980, 1.0000
CMYK	0.00, 0.67, 1.00, 0.10
HSL	20°, 100%, 45%
HSV	20°, 100%, 90%
XYZ	35.2870, 22.1307, 2.4118
YIQ	113.9690, 115.9050, 8.4890

Conversions

Conversions Part 2

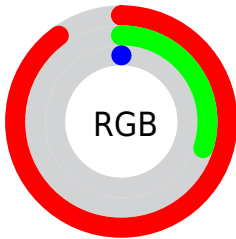
Format	Color
RYB	230, 116, 0
Decimal	15092992
CIELab	54.17, 56.92, 64.81
CIELCh	54, 86.256, 48.706
Yxy	22.1307, 0.5898, 0.3699
Android (android.graphics.Color)	4293283072 (0xFFE64D00)
YUV	113.9690, -56.1867, 101.7592
Hunter-Lab	47.0433, 51.5665, 29.8906

Details

The XYZ color **35.2870, 22.1307, 2.4118** 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 **25.6729, 28.4932, 79.0090**, and the grayscale version is **16.1250, 16.9648, 18.4746**.

A 20% lighter version of the original color is **50.4970, 38.3829, 9.3046**, and **15.5713, 8.1079, 0.7443** is the 20% darker color. If you saturate the color by 10%, you get **35.2873, 22.1317, 2.4120**, and if you desaturate by 10%, it is **36.6415, 24.5927, 3.6264**.

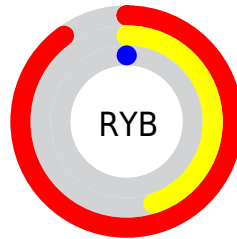
Distribution



Red (90%)

Green (30%)

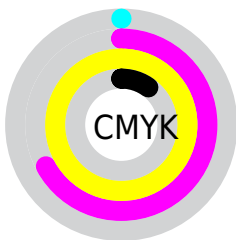
Blue (0%)



Red (90%)

Yellow (45%)

Blue (0%)

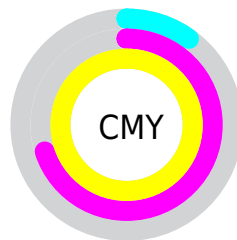


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2870, 22.1307, 2.4118 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 35.2870, 22.1307, 2.4118 by changing the saturation by 10% instead.


 35.2870, 22.1307,
2.4118


 35.2870, 22.1307,
2.4118


317.3192,
263.2281, 128.4751


 24.0516, 13.9530,
0.7929


 67.2612, 46.9619,
10.1388


 15.4968, 8.0880,
0.0000


 88.7308, 64.3842,
17.0939

 9.2574, 4.1513,
0.0000


 114.3424, 85.6568,
26.6682

 4.9679, 1.7585,
0.0000

 144.4614,
111.1641, 39.2801

 2.2630, 0.4611,
0.0000

 179.4533,
141.2904, 55.3482


 0.7756, 0.0000,
0.0000


 219.6833,


 0.0000, 0.0000,


176.4203, 75.2910


0.0000


 265.5168,
216.9380, 99.5271


 35.2870, 22.1307,
2.4118

 35.2870, 22.1307,
2.4118

 35.2873, 22.1317,
2.4120

 36.6415, 24.5927,
3.6264

 38.4474, 27.6628,
5.8981

 40.7786, 31.3955,
9.5414

 43.6829, 35.8319,
14.7398

 47.2017, 41.0091,
21.6482

■ 51.3722, 46.9613,
30.4026

■ 56.2282, 53.7203,
41.1249

■ 61.8012, 61.3162,
53.9268

■ 68.1204, 69.7773,
68.9111

Harmonies

Analogous

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



43.1008, 22.1307, 11.0580



35.2870, 22.1307, 2.4118



24.7598, 22.1307, 0.6155

Triad

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



35.2870, 22.1307, 2.4118



7.8616, 22.1307, 15.3461



27.3505, 22.1307, 113.3092

Complementary

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



35.2870, 22.1307, 2.4118



25.6729, 28.4932, 79.0090

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.



17.7031, 22.1307, 118.2188



35.2870, 22.1307, 2.4118



8.1782, 22.1307, 44.6951

Square

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



35.2870, 22.1307, 2.4118



10.2032, 22.1307, 3.5767



11.2528, 22.1307, 87.2725



37.6610, 22.1307, 76.6259

Rectangle

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



35.2870, 22.1307, 2.4118



18.4263, 22.1307, 0.5682



11.2528, 22.1307, 87.2725



23.8780, 22.1307, 119.3899

Sweetspot

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



35.2875, 22.1320, 2.4121



70.9461, 67.7342, 51.7179



38.4103, 19.1339, 31.9505



14.6066, 13.6971, 9.7770



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.



35.2875, 22.1320, 2.4121



44.5184, 27.8167, 3.0228



51.4094, 54.3759, 7.7861



14.7693, 15.1525, 15.0508



20.0786, 12.7314, 1.3991



1.5669, 1.1071, 0.1311

Inverse Universe

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



25.6729, 28.4932, 79.0090



32.3539, 35.8278, 99.8180



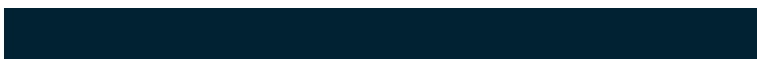
14.9868, 7.1209, 75.4470



14.3797, 15.4807, 18.3745



14.6515, 16.3652, 44.7697



1.1674, 1.3787, 3.3366

Previews

White Background



This preview shows how the XYZ color 35.2870, 22.1307, 2.4118 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 35.2870, 22.1307, 2.4118 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 35.2870, 22.1307, 2.4118

Background



This preview shows how black text looks on a background with the XYZ color 35.2870, 22.1307, 2.4118.



This preview shows how white text looks on a background with the XYZ color 35.2870, 22.1307,

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

35.2870, 22.1307, 2.4118

Protanopia

20.0016, 22.1422, 4.0838

Deuteranopia

22.5175, 22.3078, 3.1190



Tritanopia

36.5424, 22.1317, 9.0025

Trichromacy



Original Color

35.2870, 22.1307, 2.4118

Protanomaly

23.9021, 20.7505, 3.1974

Deuteranomaly

25.9967, 21.2068, 2.7231

Tritanomaly

35.9373, 22.0999, 5.1679

Monochromacy



Original Color

35.2870, 22.1307, 2.4118

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.5666, 16.8563, 8.5257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2870, 22.1307, 2.4118 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(230, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 77, 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(230, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 77, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.2870, 22.1307, 2.4118 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(230, 77, 0) }
```


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

```
.border{ border-color:rgb(230, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 77, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.2870, 22.1307, 2.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 77, 0) }
```

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

```
.background{ background-color: rgb(230, 77,  
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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