

Converting Colors

XYZ(35.6716, 22.8051, 3.5077)

Have a look what the booklet for
XYZ(35.6716, 22.8051, 3.5077)
contains.

XYZ(35.8369, 22.9322, 3.5148)	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(35.8369, 22.9322,
3.5148)**

Conversions

Conversions Part 1

Format	Color
Hex	E6521A
RGB	230, 82, 26
RGB Percent	90%, 32%, 10%
CMY	0.0980, 0.6784, 0.8980
CMYK	0.00, 0.64, 0.89, 0.10
HSL	16°, 80%, 50%
HSV	16°, 89%, 90%
XYZ	35.8369, 22.9322, 3.5148
YIQ	119.8680, 106.1840, 13.9600

Conversions

Conversions Part 2

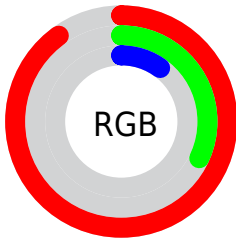
Format	Color
RYB	230, 103, 26
Decimal	15094298
CIELab	55.00, 55.17, 58.74
CIElCh	55, 80.585, 46.793
Yxy	22.9322, 0.5754, 0.3682
Android (android.graphics.Color)	4293284378 (0xFFE6521A)
YUV	119.8680, -46.2769, 96.5858
Hunter-Lab	47.8876, 49.7781, 29.1696

Details

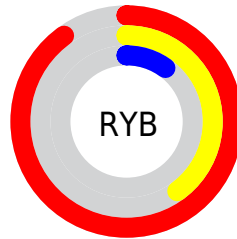
The XYZ color **35.8369, 22.9322, 3.5148** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **29.8432, 36.2014, 80.2770**, and the grayscale version is **17.9310, 18.8649, 20.5438**.

A 20% lighter version of the original color is **51.5608, 39.7014, 12.1533**, and **15.9422, 8.5396, 0.8081** is the 20% darker color. If you saturate the color by 10%, you get **34.5583, 20.6474, 2.2501**, and if you desaturate by 10%, it is **37.6203, 25.9107, 5.9244**.

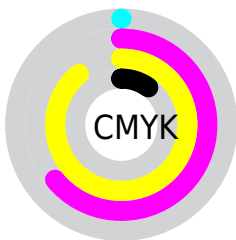
Distribution



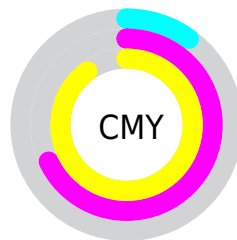
- Red (90%)
- Green (32%)
- Blue (10%)



- Red (90%)
- Yellow (40%)
- Blue (10%)



- Cyan (0%)
- Magenta (64%)
- Yellow (89%)
- Black (10%)





- Cyan (10%)
- Magenta (68%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8369, 22.9322, 3.5148 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 35.8369, 22.9322, 3.5148 by changing the saturation by 10% instead.


 35.8369, 22.9322,
3.5148


 35.8369, 22.9322,
3.5148


319.6908,
267.3766, 142.6692

 24.4778, 14.5435,
1.3631


 68.1058, 48.2820,
12.8743

 15.8151, 8.4996,
0.1127


 89.7462, 66.0118,
20.9192


 9.4834, 4.4163,
0.0000


 115.5445, 87.6241,
31.7657

 5.1174, 1.9090,
0.0000

 145.8660,
113.5033, 45.8321

 2.3518, 0.5538,
0.0000

 181.0760,
144.0337, 63.5372

 0.8210, 0.0000,
0.0000

 221.5399,

 0.0000, 0.0000,

179.5998, 85.2994

0.0000

267.6230,
220.5860, 111.5372

35.8369, 22.9322,
3.5148

35.8369, 22.9322,
3.5148

34.5583, 20.6474,
2.2501

37.6203, 25.9107,
5.9244

34.4185, 20.3942,
2.1224

39.9768, 29.6392,
9.7451

42.9587, 34.1694,
15.1580

46.6110, 39.5470,
22.3167

50.9746, 45.8138,
31.3561

■ 56.0866, 53.0088,
42.3982

■ 61.9816, 61.1686,
55.5543

■ 68.6917, 70.3277,
70.9277

■ 76.2474, 80.5190,
88.6146

Harmonies

Analogous

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



42.7840, 22.9322, 13.2606



35.8369, 22.9322, 3.5148



25.9715, 22.9322, 1.1566

Triad

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



35.8369, 22.9322, 3.5148



8.9639, 22.9322, 15.3128



27.1588, 22.9322, 108.1761

Complementary

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



35.8369, 22.9322, 3.5148



29.8432, 36.2014, 80.2770

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.



18.0945, 22.9322, 110.3123



35.8369, 22.9322, 3.5148



9.1190, 22.9322, 42.0968

Square

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



35.8369, 22.9322, 3.5148



11.5012, 22.9322, 4.1389



12.0059, 22.9322, 80.9134



36.9087, 22.9322, 76.2291

Rectangle

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



35.8369, 22.9322, 3.5148



19.8226, 22.9322, 1.0374



12.0059, 22.9322, 80.9134



23.8970, 22.9322, 112.9120

Sweetspot

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



35.8374, 22.9335, 3.5152



71.9629, 68.4996, 55.9669



40.7992, 20.6805, 42.7084



14.8936, 13.9507, 10.8605



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.



35.8374, 22.9335, 3.5152



43.4309, 25.6417, 2.6603



49.6293, 50.5174, 8.1125



14.6974, 15.0087, 15.0268



19.5737, 11.7215, 1.2308



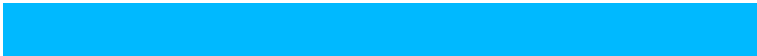
1.5223, 1.0179, 0.1162

Inverse Universe

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



29.8432, 36.2014, 80.2770



35.3966, 41.9133, 100.8322



17.1311, 10.7772, 76.0397



14.4553, 15.6321, 18.3997



16.0014, 19.0650, 45.2197



1.2590, 1.5620, 3.3671

Previews

White Background



This preview shows how the XYZ color 35.8369, 22.9322, 3.5148 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 35.8369, 22.9322, 3.5148 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 35.8369, 22.9322, 3.5148

Background



This preview shows how black text looks on a background with the XYZ color 35.8369, 22.9322, 3.5148.



This preview shows how white text looks on a background with the XYZ color 35.8369, 22.9322,

3.5148.

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

35.8369, 22.9322, 3.5148

Protanopia

20.8302, 22.9449, 5.2504

Deuteranopia

23.2700, 22.8827, 3.1903



Tritanopia

37.4178, 23.0576, 10.2630

Trichromacy



Original Color

35.8369, 22.9322, 3.5148

Protanomaly

24.6661, 21.6151, 4.3855

Deuteranomaly

26.7532, 21.9042, 3.0763

Tritanomaly

36.5933, 22.9178, 6.9098

Monochromacy



Original Color

35.8369, 22.9322, 3.5148

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

21.3310, 18.4535, 11.2417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8369, 22.9322, 3.5148 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, 82, 26)` looks like.

```
.text, #text, p{  
    color:rgb(230, 82, 26)  
}
```

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, 82, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 82, 26) }
```

Border

The CSS property to change the border of an element to XYZ 35.8369, 22.9322, 3.5148 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, 82, 26) }
```


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

```
.border{ border-color:rgb(230, 82, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 82, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 82, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 82, 26);  
box-shadow:4px 4px 4px 4px rgb(230, 82,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8369, 22.9322, 3.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 82, 26) }
```

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

```
.background{ background-color: rgb(230, 82,  
26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor