

Converting Colors

XYZ(35.5858, 22.7705, 3.9365)

Have a look what the booklet for
XYZ(35.5858, 22.7705, 3.9365)
contains.

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Color

**XYZ(35.6049, 22.8024,
3.9636)**

Conversions

Conversions Part 1

Format	Color
Hex	E55221
RGB	229, 82, 33
RGB Percent	90%, 32%, 13%
CMY	0.1020, 0.6784, 0.8706
CMYK	0.00, 0.64, 0.86, 0.10
HSL	15°, 79%, 51%
HSV	15°, 86%, 90%
XYZ	35.6049, 22.8024, 3.9636
YIQ	120.3670, 103.3410, 15.9250

Conversions

Conversions Part 2

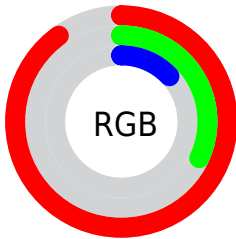
Format	Color
R _Y B	229, 98, 33
Decimal	15028769
CIE Lab	54.87, 54.97, 55.90
CIE LCh	55, 78.401, 45.483
Yxy	22.8024, 0.5709, 0.3656
Android (android.graphics.Color)	4293218849 (0xFFE55221)
YUV	120.3670, -43.0719, 95.2711
Hunter-Lab	47.7519, 49.5280, 28.5050

Details

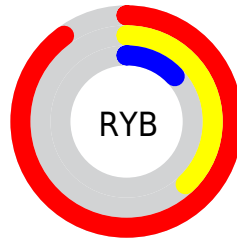
The XYZ color **35.6049, 22.8024, 3.9636** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **31.0896, 38.6197, 79.9439**, and the grayscale version is **18.0820, 19.0237, 20.7168**.

A 20% lighter version of the original color is **51.7470, 39.7759, 13.1338**, and **15.7499, 8.4651, 0.8038** is the 20% darker color. If you saturate the color by 10%, you get **34.2491, 20.4418, 2.4306**, and if you desaturate by 10%, it is **37.5035, 25.9010, 6.7516**.

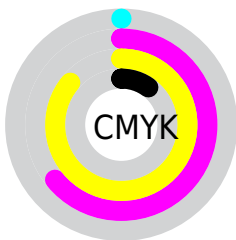
Distribution



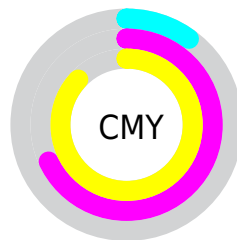
- Red (90%)
- Green (32%)
- Blue (13%)



- Red (90%)
- Yellow (38%)
- Blue (13%)



- Cyan (0%)
- Magenta (64%)
- Yellow (86%)
- Black (10%)





- Cyan (10%)
- Magenta (68%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6049, 22.8024, 3.9636 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 35.6049, 22.8024, 3.9636 by changing the saturation by 10% instead.

 35.6049, 22.8024,
3.9636


 35.6049, 22.8024,
3.9636


318.6918,
266.7085, 147.8199


 24.2979, 14.4477,
1.6054


 67.7497, 48.0687,
13.9257

 15.6807, 8.4327,
0.2947


 89.3181, 65.7490,
22.3667


 9.3879, 4.3730,
0.0000


 115.0378, 87.3066,
33.6724

 5.0542, 1.8843,
0.0000

 145.2741,
113.1260, 48.2613

 2.3142, 0.5389,
0.0000

 180.3922,
143.5915, 66.5520

 0.8019, 0.0000,
0.0000

 220.7577,

 0.0000, 0.0000,

179.0874, 88.9629

0.0000

266.7357,
219.9983, 115.9127

35.6049, 22.8024,
3.9636

35.6049, 22.8024,
3.9636

34.2491, 20.4418,
2.4306

37.5035, 25.9010,
6.7516

33.7888, 19.6098,
2.0042

40.0036, 29.7929,
11.0016

43.1568, 34.5323,
16.8838

47.0084, 40.1670,
24.5444

51.5992, 46.7411,
34.1130

■ 56.9668, 54.2957,
45.7074

■ 63.1461, 62.8695,
59.4356

■ 70.1700, 72.4990,
75.3978

■ 78.0693, 83.2187,
93.6882

Harmonies

Analogous

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



42.0610, 22.8024, 14.1303



35.6049, 22.8024, 3.9636



26.1310, 22.8024, 1.3499

Triad

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



35.6049, 22.8024, 3.9636



9.1996, 22.8024, 14.6714



26.4400, 22.8024, 105.2371

Complementary

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



35.6049, 22.8024, 3.9636



31.0896, 38.6197, 79.9439

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.



17.7532, 22.8024, 105.7840



35.6049, 22.8024, 3.9636



9.2407, 22.8024, 39.8961

Square

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



35.6049, 22.8024, 3.9636



11.8188, 22.8024, 4.1336



11.9520, 22.8024, 76.8750



35.8825, 22.8024, 75.6715

Rectangle

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



35.6049, 22.8024, 3.9636



20.1173, 22.8024, 1.1708



11.9520, 22.8024, 76.8750



23.3069, 22.8024, 109.2570

Sweetspot

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



35.6054, 22.8037, 3.9640



72.2906, 68.7167, 57.4271



41.0950, 21.0410, 45.0754



14.9419, 13.9635, 11.1348



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.



35.6054, 22.8037, 3.9640



43.0599, 24.8998, 2.5366



48.9086, 49.4102, 8.3984



14.6683, 14.9505, 15.0171



19.3995, 11.3731, 1.1728



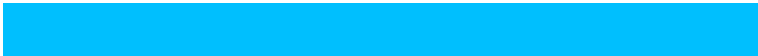
1.5060, 0.9854, 0.1108

Inverse Universe

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



31.0896, 38.6197, 79.9439



36.7331, 44.5861, 101.2777



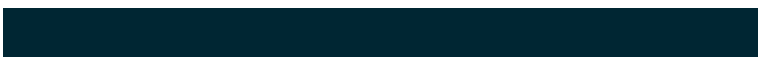
17.7874, 12.0153, 75.5098



14.4863, 15.6940, 18.4101



16.5930, 20.2481, 45.4169



1.2986, 1.6411, 3.3803

Previews

White Background



This preview shows how the XYZ color 35.6049, 22.8024, 3.9636 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 35.6049, 22.8024, 3.9636 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 35.6049, 22.8024, 3.9636

Background



This preview shows how black text looks on a background with the XYZ color 35.6049, 22.8024, 3.9636.



This preview shows how white text looks on a background with the XYZ color 35.6049, 22.8024,

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

35.6049, 22.8024, 3.9636

Protanopia

20.7770, 22.9028, 5.9104

Deuteranopia

23.2864, 22.8893, 3.2769



Tritanopia

36.7722, 22.7248, 10.2328

Trichromacy



Original Color

35.6049, 22.8024, 3.9636

Protanomaly

24.5490, 21.5418, 4.9619

Deuteranomaly

26.7831, 21.9161, 3.2341

Tritanomaly

36.3545, 22.7851, 7.3324

Monochromacy



Original Color

35.6049, 22.8024, 3.9636

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

21.4127, 18.4862, 11.6721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6049, 22.8024, 3.9636 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, 82, 33)` looks like.

```
.text, #text, p{  
    color:rgb(229, 82, 33)  
}
```

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, 82, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 82, 33) }
```

Border

The CSS property to change the border of an element to XYZ 35.6049, 22.8024, 3.9636 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, 82, 33) }
```


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

```
.border{ border-color:rgb(229, 82, 33) }
```

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

Here you see how a box with a 4 pixel rgb(229, 82, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 82, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 82, 33);  
box-shadow:4px 4px 4px 4px rgb(229, 82,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6049, 22.8024, 3.9636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 82, 33) }
```

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

```
.background{ background-color: rgb(229, 82,  
33) }
```

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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