

# Converting Colors

XYZ(35.8828, 22.1642, 4.7016)

Have a look what the booklet for  
XYZ(35.8828, 22.1642, 4.7016)  
contains.

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# Color

**XYZ(35.9071, 22.1955,  
4.6771)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E74B2B
RGB	231, 75, 43
RGB Percent	91%, 29%, 17%
CMY	0.0941, 0.7058, 0.8314
CMYK	0.00, 0.68, 0.81, 0.09
HSL	10°, 80%, 54%
HSV	10°, 81%, 91%
XYZ	35.9071, 22.1955, 4.6771
YIQ	117.9960, 103.2480, 23.1200

# Conversions

## Conversions Part 2

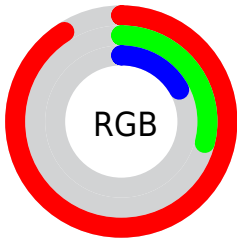
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">231, 82, 43</a>
Decimal	<a href="#">15158059</a>
CIELab	<a href="#">54.23, 58.72, 51.05</a>
CIELCh	<a href="#">54, 77.808, 41.003</a>
Yxy	<a href="#">22.1955, 0.5720, 0.3535</a>
Android (android.graphics.Color)	<a href="#">4293348139</a> ( <a href="#">0xFFE74B2B</a> )
YUV	<a href="#">117.9960, -36.9730, 99.1045</a>
Hunter-Lab	<a href="#">47.1121, 53.5999, 27.0924</a>

# Details

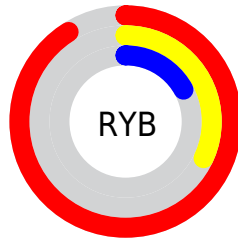
The XYZ color **35.9071, 22.1955, 4.6771** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **35.8409, 47.1250, 82.8077**, and the grayscale version is **17.3094, 18.2108, 19.8316**.

A 20% lighter version of the original color is **51.2881, 38.2653, 14.8080**, and **15.9363, 8.2155, 0.7458** is the 20% darker color. If you saturate the color by 10%, you get **34.4867, 19.8522, 2.6714**, and if you desaturate by 10%, it is **37.9596, 25.4203, 8.0758**.

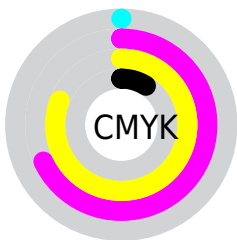
# Distribution



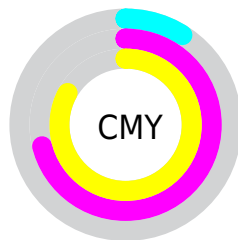
- Red (91%)
- Green (29%)
- Blue (17%)



- Red (91%)
- Yellow (32%)
- Blue (17%)



- Cyan (0%)
- Magenta (68%)
- Yellow (81%)
- Black (9%)




- Cyan (9%)
- Magenta (71%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9071, 22.1955, 4.6771 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 35.9071, 22.1955, 4.6771 by changing the saturation by 10% instead.



 35.9071, 22.1955,  
4.6771


 35.9071, 22.1955,  
4.6771


319.9926,  
263.5655, 155.4778


 24.5322, 14.0006,  
2.0037


 68.2135, 47.0689,  
15.5435

 15.8558, 8.1211,  
0.5575


 89.8757, 64.5162,  
24.5735


 9.5123, 4.1725,  
0.0000


 115.6977, 85.8165,  
36.5595

 5.1366, 1.7705,  
0.0000

 146.0449,  
111.3540, 51.9200

 2.3632, 0.4687,  
0.0000

 181.2826,  
141.5133, 71.0735

 0.8267, 0.0000,  
0.0000

 221.7763,

 0.0000, 0.0000,

176.6788, 94.4387

0.0000

267.8912,  
217.2347, 122.4339

■ 35.9071, 22.1955,  
4.6771

■ 35.9071, 22.1955,  
4.6771

■ 34.4867, 19.8522,  
2.6714

■ 37.9596, 25.4203,  
8.0758


■ 33.6912, 18.4617,  
1.7877


■ 40.7099, 29.6006,  
13.0633


■ 44.2168, 34.8068,  
19.8050


■ 48.5322, 41.1013,  
28.4452

■ 53.7030, 48.5418,  
39.1130

 59.7729, 57.1815,  
51.9264

 66.7822, 67.0704,  
66.9941

 74.7689, 78.2558,  
84.4175

 83.7690, 90.7823,  
104.2918

# Harmonies

## Analogous

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



41.4307, 22.1955, 16.3219



35.9071, 22.1955, 4.6771



26.8466, 22.1955, 1.4608

# Triad

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



35.9071, 22.1955, 4.6771



9.1508, 22.1955, 11.9531



24.3554, 22.1955, 104.8036

# Complementary

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



35.9071, 22.1955, 4.6771



35.8409, 47.1250, 82.8077

# 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.



16.2317, 22.1955, 100.3964



35.9071, 22.1955, 4.6771



8.8185, 22.1955, 34.1930

# Square

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



35.9071, 22.1955, 4.6771



12.1224, 22.1955, 3.3026



11.0474, 22.1955, 69.4273



33.6692, 22.1955, 79.1283



# Rectangle

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



35.9071, 22.1955, 4.6771



20.8128, 22.1955, 1.1047



11.0474, 22.1955, 69.4273



21.3821, 22.1955, 107.0780

# Sweetspot

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



35.9076, 22.1968, 4.6774



72.6004, 68.4366, 60.3044



44.2050, 22.8711, 56.5239



14.9531, 13.8139, 11.6687



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.



35.9076, 22.1968, 4.6774



42.3106, 23.3565, 2.4247



47.4550, 45.2916, 8.5266



14.5743, 14.7625, 14.9858



18.9493, 10.4728, 1.0227



1.4595, 0.8923, 0.0953



# Inverse Universe

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



35.8409, 47.1250, 82.8077



41.7701, 54.5653, 102.9384



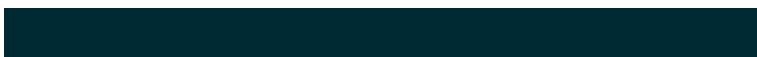
20.5397, 16.5226, 77.7073



14.5877, 15.8967, 18.4439



18.6929, 24.4480, 46.1169

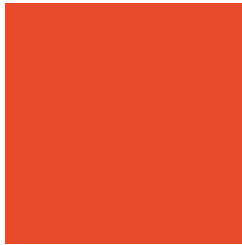


1.4368, 1.9175, 3.4264



# Previews

## White Background



This preview shows how the XYZ color 35.9071, 22.1955, 4.6771 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 35.9071, 22.1955, 4.6771 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 35.9071, 22.1955, 4.6771**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9071, 22.1955, 4.6771.



This preview shows how white text looks on a background with the XYZ color 35.9071, 22.1955,



# 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

35.9071, 22.1955, 4.6771

### Protanopia

20.4234, 22.2905, 7.2291

### Deuteranopia

22.6024, 22.1423, 4.1812



## Tritanopia

36.8019, 22.1703, 8.9962

# Trichromacy



## Original Color

35.9071, 22.1955, 4.6771

## Protanomaly

24.1230, 20.6390, 6.0805

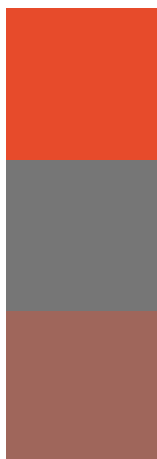
## Deuteranomaly

26.1676, 21.1092, 4.1342

## Tritanomaly

36.4933, 22.1494, 7.0545

# Monochromacy



## Original Color

35.9071, 22.1955, 4.6771

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

20.9378, 17.6290, 12.1967

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9071, 22.1955, 4.6771 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(231, 75, 43)` looks like.

```
.text, #text, p{  
    color:rgb(231, 75, 43)  
}
```

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(231, 75, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 75, 43) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9071, 22.1955, 4.6771 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(231, 75, 43) }
```



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

```
.border{ border-color:rgb(231, 75, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 75, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 75, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 75, 43);  
box-shadow:4px 4px 4px 4px rgb(231, 75,  
43) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9071, 22.1955, 4.6771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 75, 43) }
```

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

```
.background{ background-color: rgb(231, 75,  
43) }
```

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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