

# Converting Colors

XYZ(34.5226, 22.7355, 5.4940)

Have a look what the booklet for  
XYZ(34.5226, 22.7355, 5.4940)  
contains.

<b>XYZ(34.7030, 22.8854, 5.4940)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.7030, 22.8854,  
5.4940)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E05731
RGB	224, 87, 49
RGB Percent	88%, 34%, 19%
CMY	0.1216, 0.6588, 0.8078
CMYK	0.00, 0.61, 0.78, 0.12
HSL	13°, 74%, 54%
HSV	13°, 78%, 88%
XYZ	34.7030, 22.8854, 5.4940
YIQ	123.6310, 93.8500, 17.2260

# Conversions

## Conversions Part 2

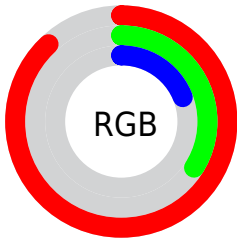
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 98, 49
Decimal	14702385
CIE <sub>Lab</sub>	54.95, 51.53, 48.43
CIE <sub>LCh</sub>	55, 70.716, 43.224
Yxy	22.8854, 0.5501, 0.3628
Android (android.graphics.Color)	4292892465 (0xFFE05731)
YUV	123.6310, -36.7931, 88.0236
Hunter-Lab	47.8387, 45.7692, 26.6780

# Details

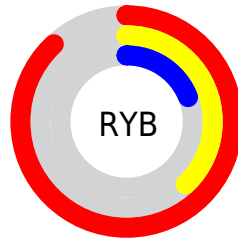
The XYZ color **34.7030, 22.8854, 5.4940** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **32.2783, 41.1491, 76.7618**, and the grayscale version is **19.1329, 20.1293, 21.9209**.

A 20% lighter version of the original color is **53.1176, 41.4878, 16.7636**, and **15.1373, 8.4558, 0.8343** is the 20% darker color. If you saturate the color by 10%, you get **33.0908, 20.2392, 3.1754**, and if you desaturate by 10%, it is **36.8957, 26.3177, 9.1642**.

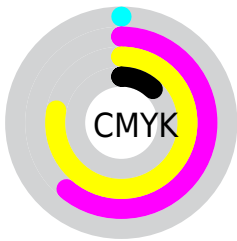
# Distribution



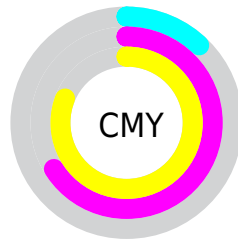
- Red (88%)
- Green (34%)
- Blue (19%)



- Red (88%)
- Yellow (38%)
- Blue (19%)



- Cyan (0%)
- Magenta (61%)
- Yellow (78%)
- Black (12%)




- Cyan (12%)
- Magenta (66%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7030, 22.8854, 5.4940 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 34.7030, 22.8854, 5.4940 by changing the saturation by 10% instead.





 34.7030, 22.8854,  
5.4940


 34.7030, 22.8854,  
5.4940


314.7865,  
267.1358, 163.6123


 23.5996, 14.5089,  
2.4762


 66.3625, 48.2051,  
17.3304

 15.1600, 8.4755,  
0.8275


 87.6493, 65.9171,  
26.9861

 9.0188, 4.4007,  
0.0000


 113.0613, 87.5097,  
39.6914

 4.8107, 1.9001,  
0.0000

 142.9638,  
113.3673, 55.8650

 2.1702, 0.5484,  
0.0000

 177.7222,  
143.8743, 75.9253

 0.7270, 0.0000,  
0.0000

 217.7019,

 0.0000, 0.0000,

179.4152, 100.2909

0.0000

263.2682,  
220.3742, 129.3804

■ 34.7030, 22.8854,  
5.4940

■ 34.7030, 22.8854,  
5.4940

■ 33.0908, 20.2392,  
3.1754

■ 36.8957, 26.3177,  
9.1642

■ 31.9885, 18.3069,  
1.9683


■ 39.7209, 30.5901,  
14.3539


■ 31.8239, 18.0146,  
1.7999


■ 43.2260, 35.7562,  
21.2077


■ 47.4534, 41.8638,  
29.8530

■ 52.4417, 48.9572,  
40.4043

 58.2268, 57.0780,  
52.9670

 64.8423, 66.2651,  
67.6385

 72.3196, 76.5557,  
84.5100

 80.6888, 87.9848,  
103.6670

# Harmonies

## Analogous

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



39.9944, 22.8854, 16.2826



34.7030, 22.8854, 5.4940



26.4039, 22.8854, 2.2189

# Triad

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



34.7030, 22.8854, 5.4940



10.2677, 22.8854, 14.4112



25.3893, 22.8854, 95.0963

# Complementary

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



34.7030, 22.8854, 5.4940



32.2783, 41.1491, 76.7618

# 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.



17.6811, 22.8854, 93.4135



34.7030, 22.8854, 5.4940



10.1217, 22.8854, 36.1683

# Square

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



34.7030, 22.8854, 5.4940



12.9685, 22.8854, 4.8314



12.5056, 22.8854, 67.7739



33.8079, 22.8854, 71.5314



# Rectangle

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



34.7030, 22.8854, 5.4940



20.9143, 22.8854, 1.8842



12.5056, 22.8854, 67.7739



22.6116, 22.8854, 97.7520

# Sweetspot

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



34.7035, 22.8867, 5.4944



74.0658, 70.9056, 62.2161



40.7103, 21.5926, 48.5227



15.2646, 14.3487, 12.0445



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.



34.7035, 22.8867, 5.4944



43.3570, 25.3526, 3.0716



46.5112, 46.5022, 9.4303



13.9474, 14.1807, 14.3088



18.5932, 10.6242, 1.0707



1.3545, 0.8679, 0.0961

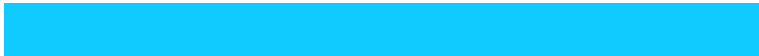


# Inverse Universe

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



32.2783, 41.1491, 76.7618



39.5937, 50.0077, 102.1734



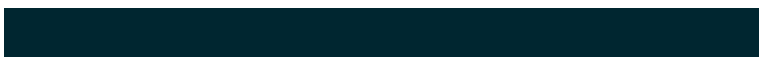
19.1436, 14.8798, 72.3835



13.8508, 15.0407, 17.5608



16.8822, 21.2339, 44.2571

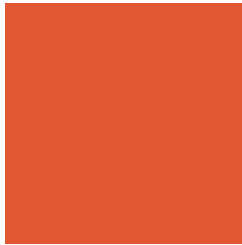


1.2336, 1.5987, 3.0888



# Previews

## White Background



This preview shows how the XYZ color 34.7030, 22.8854, 5.4940 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 34.7030, 22.8854, 5.4940 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 34.7030, 22.8854, 5.4940**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.7030, 22.8854, 5.4940.



This preview shows how white text looks on a background with the XYZ color 34.7030, 22.8854,



# 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

34.7030, 22.8854, 5.4940

### Protanopia

20.9748, 22.9613, 7.8839

### Deuteranopia

23.4094, 22.9142, 5.0228



## Tritanopia

35.8649, 22.8822, 11.5432

# Trichromacy



## Original Color

34.7030, 22.8854, 5.4940

## Protanomaly

24.4395, 21.7849, 6.7877

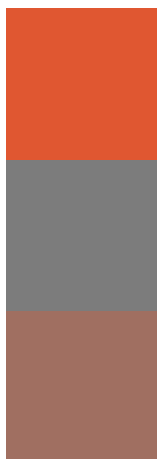
## Deuteranomaly

26.5959, 22.1008, 5.0546

## Tritanomaly

35.4243, 22.8292, 8.8427

# Monochromacy



## Original Color

34.7030, 22.8854, 5.4940

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

22.3393, 19.7055, 13.9354

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7030, 22.8854, 5.4940 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, 87, 49)` looks like.

```
.text, #text, p{  
    color:rgb(224, 87, 49)  
}
```

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, 87, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 87, 49) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7030, 22.8854, 5.4940 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, 87, 49) }
```



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

```
.border{ border-color:rgb(224, 87, 49) }
```

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

Here you see how a box with a 4 pixel rgb(224, 87, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 87, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 87, 49);  
box-shadow:4px 4px 4px 4px rgb(224, 87,  
49) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7030, 22.8854, 5.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 87, 49) }
```

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

```
.background{ background-color: rgb(224, 87,  
49) }
```

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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