

# Converting Colors

XYZ(36.6103, 22.9946, 4.5779)

Have a look what the booklet for  
XYZ(36.6103, 22.9946, 4.5779)  
contains.

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# Color

**XYZ(36.4749, 22.9079,  
4.5970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E84F29
RGB	232, 79, 41
RGB Percent	91%, 31%, 16%
CMY	0.0902, 0.6902, 0.8392
CMYK	0.00, 0.66, 0.82, 0.09
HSL	12°, 81%, 54%
HSV	12°, 82%, 91%
XYZ	36.4749, 22.9079, 4.5970
YIQ	120.4150, 103.3860, 20.6180

# Conversions

## Conversions Part 2

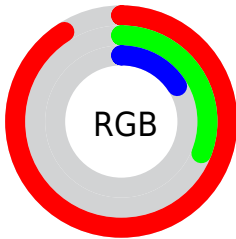
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 88, 41
Decimal	15224617
CIE <sub>Lab</sub>	54.98, 57.41, 52.73
CIE <sub>LCh</sub>	55, 77.954, 42.568
Yxy	22.9079, 0.5701, 0.3580
Android (android.graphics.Color)	4293414697 (0xFFE84F29)
YUV	120.4150, -39.1516, 97.8600
Hunter-Lab	47.8622, 52.2727, 27.8089

# Details

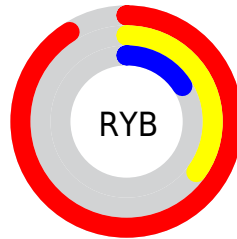
The XYZ color **36.4749, 22.9079, 4.5970** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **34.7692, 44.8764, 83.1727**, and the grayscale version is **18.0854, 19.0272, 20.7206**.

A 20% lighter version of the original color is **51.7494, 39.3261, 14.5361**, and **16.2461, 8.5202, 0.7883** is the 20% darker color. If you saturate the color by 10%, you get **35.0243, 20.4754, 2.6699**, and if you desaturate by 10%, it is **38.5393, 26.1876, 7.9040**.

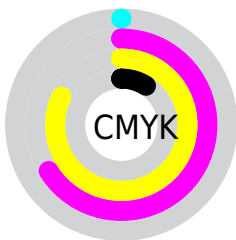
# Distribution



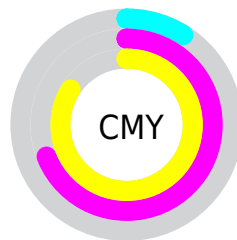
- Red (91%)
- Green (31%)
- Blue (16%)



- Red (91%)
- Yellow (35%)
- Blue (16%)



- Cyan (0%)
- Magenta (66%)
- Yellow (82%)
- Black (9%)




- Cyan (9%)
- Magenta (69%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4749, 22.9079, 4.5970 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 36.4749, 22.9079, 4.5970 by changing the saturation by 10% instead.





 36.4749, 22.9079,  
4.5970


 36.4749, 22.9079,  
4.5970

322.4267,  
267.2516, 154.6463


 24.9730, 14.5255,  
1.9582


 69.0835, 48.2421,  
15.3648

 16.1856, 8.4871,  
0.5294


 90.9210, 65.9626,  
24.3309


 9.7472, 4.4082,  
0.0000


 116.9343, 87.5647,  
36.2431

 5.2927, 1.9044,  
0.0000

 147.4888,  
113.4327, 51.5202

 2.4565, 0.5510,  
0.0000

 182.9500,  
143.9510, 70.5804

 0.8734, 0.0000,  
0.0000

 223.6831,

 0.0000, 0.0000,

179.5040, 93.8425

0.0000

270.0536,  
220.4760, 121.7250

■ 36.4749, 22.9079,  
4.5970

■ 36.4749, 22.9079,  
4.5970

■ 35.0243, 20.4754,  
2.6699

■ 38.5393, 26.1876,  
7.9040


■ 34.2620, 19.1229,  
1.8853


■ 41.2809, 30.3819,  
12.7914


■ 44.7562, 35.5555,  
19.4279


■ 49.0150, 41.7661,  
27.9596

■ 54.1026, 49.0667,  
38.5178

 60.0608, 57.5067,  
51.2214

 66.9286, 67.1324,  
66.1806

 74.7423, 77.9875,  
83.4977

 83.5365, 90.1135,  
103.2689

# Harmonies

## Analogous

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



42.3931, 22.9079, 15.9417



36.4749, 22.9079, 4.5970



27.1494, 22.9079, 1.5053

# Triad

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



36.4749, 22.9079, 4.5970



9.4414, 22.9079, 13.2151



25.5995, 22.9079, 106.3875

# Complementary

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



36.4749, 22.9079, 4.5970



34.7692, 44.8764, 83.1727

# 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.



17.1583, 22.9079, 103.6580



36.4749, 22.9079, 4.5970



9.2336, 22.9079, 36.8194

# Square

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



36.4749, 22.9079, 4.5970



12.3435, 22.9079, 3.7316



11.6720, 22.9079, 73.0782



35.0844, 22.9079, 79.0918



# Rectangle

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



36.4749, 22.9079, 4.5970



21.0359, 22.9079, 1.1993



11.6720, 22.9079, 73.0782



22.5277, 22.9079, 109.2917

# Sweetspot

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



36.4754, 22.9092, 4.5974



72.2493, 68.1882, 58.7883



44.1474, 22.7720, 54.8815



14.9027, 13.7999, 11.3845



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.



36.4754, 22.9092, 4.5974



42.5175, 23.7926, 2.4247



48.3393, 46.6370, 8.5520



14.6081, 14.8300, 14.9970



19.0916, 10.7573, 1.0701



1.4754, 0.9241, 0.1006

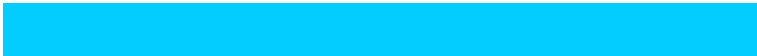


# Inverse Universe

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



34.7692, 44.8764, 83.1727



39.8561, 50.7848, 102.3096



20.1806, 15.6991, 78.3098



14.5510, 15.8234, 18.4316



17.9053, 22.8726, 45.8543



1.3853, 1.8146, 3.4092



# Previews

## White Background



This preview shows how the XYZ color 36.4749, 22.9079, 4.5970 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 36.4749, 22.9079, 4.5970 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 36.4749, 22.9079, 4.5970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.4749, 22.9079, 4.5970.



This preview shows how white text looks on a background with the XYZ color 36.4749, 22.9079,

4.5970.

# 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

36.4749, 22.9079, 4.5970

### Protanopia

20.9735, 22.9814, 6.9449

### Deuteranopia

23.4454, 22.9529, 4.1143



## Tritanopia

37.5316, 22.9203, 9.8431

# Trichromacy



## Original Color

36.4749, 22.9079, 4.5970

## Protanomaly

24.8409, 21.5055, 5.8593

## Deuteranomaly

27.0957, 21.9004, 4.0954

## Tritanomaly

37.1428, 22.8742, 7.4585

# Monochromacy



## Original Color

36.4749, 22.9079, 4.5970

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

21.6378, 18.4355, 12.3155

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.4749, 22.9079, 4.5970 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(232, 79, 41)` looks like.

```
.text, #text, p{  
  color:rgb(232, 79, 41)  
}
```

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(232, 79, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 79, 41) }
```

## Border

The CSS property to change the border of an element to XYZ 36.4749, 22.9079, 4.5970 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(232, 79, 41) }
```



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

```
.border{ border-color:rgb(232, 79, 41) }
```

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

Here you see how a box with a 4 pixel rgb(232, 79, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 79, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 79, 41);  
box-shadow:4px 4px 4px 4px rgb(232, 79,  
41) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.4749, 22.9079, 4.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 79, 41) }
```

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

```
.background{ background-color: rgb(232, 79,  
41) }
```

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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