

# Converting Colors

XYZ(33.9933, 21.8481, 4.0788)

Have a look what the booklet for  
XYZ(33.9933, 21.8481, 4.0788)  
contains.

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# Color

**XYZ(34.0013, 21.8595,  
4.0963)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E05124
RGB	224, 81, 36
RGB Percent	88%, 32%, 14%
CMY	0.1216, 0.6823, 0.8588
CMYK	0.00, 0.64, 0.84, 0.12
HSL	14°, 75%, 51%
HSV	14°, 84%, 88%
XYZ	34.0013, 21.8595, 4.0963
YIQ	118.6270, 99.6730, 16.3210

# Conversions

## Conversions Part 2

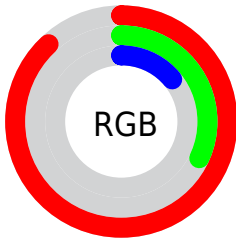
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 95, 36
Decimal	14700836
CIE <sub>Lab</sub>	53.88, 53.74, 53.46
CIE <sub>LCh</sub>	54, 75.807, 44.850
Yxy	21.8595, 0.5671, 0.3646
Android (android.graphics.Color)	4292890916 (0xFFE05124)
YUV	118.6270, -40.7351, 92.4121
Hunter-Lab	46.7541, 47.9919, 27.5333

# Details

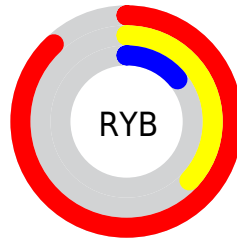
The XYZ color **34.0013, 21.8595, 4.0963** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **30.3004, 37.9936, 76.2569**, and the grayscale version is **17.5202, 18.4326, 20.0731**.

A 20% lighter version of the original color is **51.6839, 39.5242, 13.4992**, and **14.9308, 8.0428, 0.7655** is the 20% darker color. If you saturate the color by 10%, you get **32.6486, 19.5414, 2.4525**, and if you desaturate by 10%, it is **35.8862, 24.9008, 6.9717**.

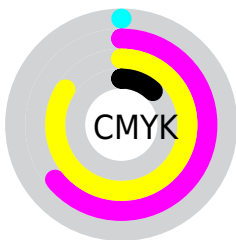
# Distribution



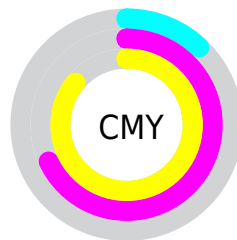
- Red (88%)
- Green (32%)
- Blue (14%)



- Red (88%)
- Yellow (37%)
- Blue (14%)



- Cyan (0%)
- Magenta (64%)
- Yellow (84%)
- Black (12%)



- Cyan (12%)
- Magenta (68%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0013, 21.8595, 4.0963 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 34.0013, 21.8595, 4.0963 by changing the saturation by 10% instead.




 34.0013, 21.8595,  
4.0963

 34.0013, 21.8595,  
4.0963


311.7237,  
261.8117, 149.2898


 23.0575, 13.7537,  
1.6783


 65.2800, 46.5137,  
14.2313


 14.7569, 7.9496,  
0.3458


 86.3455, 63.8308,  
22.7853


 8.7341, 4.0627,  
0.0000


 111.5157, 84.9872,  
34.2218

 4.6239, 1.7087,  
0.0000

 141.1559,  
110.3673, 48.9593

 2.0608, 0.4293,  
0.0000

 175.6315,  
140.3553, 67.4163

 0.6678, 0.0000,  
0.0000

 215.3077,

 0.0000, 0.0000,

175.3358, 90.0113

0.0000

260.5500,  
215.6931, 117.1630

■ 34.0013, 21.8595,  
4.0963

■ 34.0013, 21.8595,  
4.0963

■ 32.6486, 19.5414,  
2.4525

■ 35.8862, 24.9008,  
6.9717


■ 32.0421, 18.4509,  
1.8726


■ 38.3582, 28.7188,  
11.2672


■ 41.4662, 33.3658,  
17.1397


■ 45.2529, 38.8882,  
24.7251

■ 49.7574, 45.3289,  
34.1443

 55.0154, 52.7277,  
45.5072

 61.0605, 61.1222,  
58.9152

 67.9239, 70.5480,  
74.4625

 75.6352, 81.0387,  
92.2373

# Harmonies

## Analogous

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



39.9288, 21.8595, 14.0436



34.0013, 21.8595, 4.0963



25.1523, 21.8595, 1.4409

# Triad

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



34.0013, 21.8595, 4.0963



9.0151, 21.8595, 13.8844



25.0623, 21.8595, 98.9970

# Complementary

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



34.0013, 21.8595, 4.0963



30.3004, 37.9936, 76.2569

# 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.



16.9406, 21.8595, 98.8396



34.0013, 21.8595, 4.0963



9.0029, 21.8595, 37.2727

# Square

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



34.0013, 21.8595, 4.0963



11.5606, 21.8595, 4.0450



11.5214, 21.8595, 71.6281



33.9207, 21.8595, 71.9754



# Rectangle

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



34.0013, 21.8595, 4.0963



19.4785, 21.8595, 1.2355



11.5214, 21.8595, 71.6281



22.1316, 21.8595, 102.5026

# Sweetspot

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



34.0018, 21.8608, 4.0966



72.8663, 69.4222, 58.9939



39.6229, 20.4097, 45.1022



15.0466, 14.0878, 11.4325



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.



34.0018, 21.8608, 4.0966



42.9113, 24.6027, 2.4871



46.1689, 46.1951, 8.1524



13.9723, 14.2306, 14.3171



18.7255, 10.8890, 1.1148



1.3669, 0.8927, 0.1003

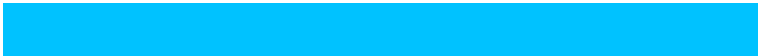


# Inverse Universe

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



30.3004, 37.9936, 76.2569



37.3310, 45.7820, 101.4770



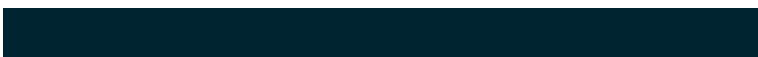
17.5206, 12.4339, 71.9969



13.8240, 14.9871, 17.5519



16.3327, 20.1349, 44.0740



1.1998, 1.5310, 3.0775



# Previews

## White Background



This preview shows how the XYZ color 34.0013, 21.8595, 4.0963 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 34.0013, 21.8595, 4.0963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

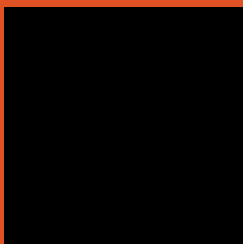
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.0013, 21.8595, 4.0963**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.0013, 21.8595, 4.0963.



This preview shows how white text looks on a background with the XYZ color 34.0013, 21.8595,



# 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

34.0013, 21.8595, 4.0963

### Protanopia

20.0177, 22.1080, 6.0085

### Deuteranopia

22.2964, 21.9961, 3.6428



## Tritanopia

35.1210, 21.7705, 10.1356

# Trichromacy



## Original Color

34.0013, 21.8595, 4.0963

## Protanomaly

23.4824, 20.6544, 5.1319

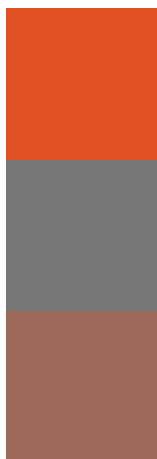
## Deuteranomaly

25.5456, 21.1096, 3.6479

## Tritanomaly

34.7299, 21.8380, 7.3857

# Monochromacy



## Original Color

34.0013, 21.8595, 4.0963

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

20.7594, 17.9925, 11.8300

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.0013, 21.8595, 4.0963 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, 81, 36)` looks like.

```
.text, #text, p{  
    color:rgb(224, 81, 36)  
}
```

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, 81, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 81, 36) }
```

## Border

The CSS property to change the border of an element to XYZ 34.0013, 21.8595, 4.0963 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, 81, 36) }
```



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

```
.border{ border-color:rgb(224, 81, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 81, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 81, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 81, 36);  
box-shadow:4px 4px 4px 4px rgb(224, 81,  
36) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.0013, 21.8595, 4.0963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 81, 36) }
```

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

```
.background{ background-color: rgb(224, 81,  
36) }
```

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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