

# Converting Colors

XYZ(39.7786, 24.1757, 4.2470)

Have a look what the booklet for  
XYZ(39.7786, 24.1757, 4.2470)  
contains.

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# Color

**XYZ(39.7967, 24.2142,  
4.2454)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F34B24
RGB	243, 75, 36
RGB Percent	95%, 29%, 14%
CMY	0.0471, 0.7058, 0.8588
CMYK	0.00, 0.69, 0.85, 0.05
HSL	11°, 90%, 55%
HSV	11°, 85%, 95%
XYZ	39.7967, 24.2142, 4.2454
YIQ	120.7860, 112.6470, 23.4870

# Conversions

## Conversions Part 2

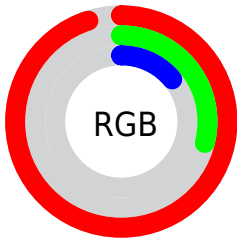
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 84, 36
Decimal	15944484
CIE Lab	56.30, 62.41, 56.84
CIE LCh	56, 84.417, 42.324
Yxy	24.2142, 0.5830, 0.3548
Android (android.graphics.Color)	4294134564 (0xFFFF34B24)
YUV	120.7860, -41.7995, 107.1817
Hunter-Lab	49.2079, 58.2472, 29.3303

# Details

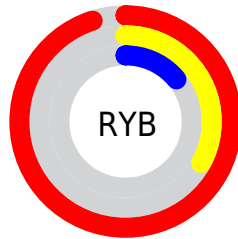
The XYZ color **39.7967, 24.2142, 4.2454** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **38.4957, 50.0271, 92.4207**, and the grayscale version is **18.2114, 19.1599, 20.8651**.

A 20% lighter version of the original color is **51.3072, 38.7069, 13.5711**, and **18.3601, 9.4650, 0.8592** is the 20% darker color. If you saturate the color by 10%, you get **38.4065, 21.8405, 2.5297**, and if you desaturate by 10%, it is **41.8536, 27.5202, 7.4229**.

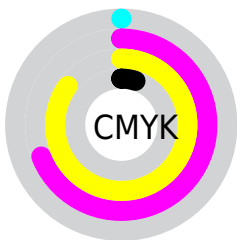
# Distribution



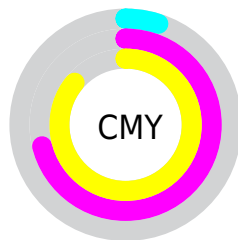
- Red (95%)
- Green (29%)
- Blue (14%)



- Red (95%)
- Yellow (33%)
- Blue (14%)



- Cyan (0%)
- Magenta (69%)
- Yellow (85%)
- Black (5%)




- Cyan (5%)
- Magenta (71%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7967, 24.2142, 4.2454 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 39.7967, 24.2142, 4.2454 by changing the saturation by 10% instead.





 39.7967, 24.2142,  
4.2454


 39.7967, 24.2142,  
4.2454

336.4151,  
273.9016, 150.9151


 27.5636, 15.4926,  
1.7609


 74.1401, 50.3795,  
14.5719

 18.1357, 9.1658,  
0.4020


 96.9812, 68.5920,  
23.2510


 11.1477, 4.8495,  
0.0000


 124.0889, 90.7369,  
34.8320

 6.2343, 2.1592,  
0.0000

 155.8286,  
117.1987, 49.7335

 3.0301, 0.6976,  
0.0000

 192.5658,  
148.3616, 68.3740

 1.1697, 0.0000,  
0.0000

 234.6657,

 0.0822, 0.0000,

184.6101, 91.1721

0.0000

282.4936,  
226.3287, 118.5463

0.0000, 0.0000,  
0.0000

39.7967, 24.2142,  
4.2454

39.7967, 24.2142,  
4.2454

38.4065, 21.8405,  
2.5297

41.8536, 27.5202,  
7.4229


37.9309, 20.9925,  
2.0528


44.6543, 31.8411,  
12.3040

48.2660, 37.2546,  
19.0873


52.7475, 43.8296,  
27.9433

58.1522, 51.6292,  
39.0238

 64.5289, 60.7118,  
52.4661

 71.9229, 71.1319,  
68.3963

 80.3767, 82.9412,  
86.9318

 89.9303, 96.1882,  
108.1823

# Harmonies

## Analogous

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



46.5481, 24.2142, 16.5058



39.7967, 24.2142, 4.2454



29.1735, 24.2142, 1.1774

# Triad

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



39.7967, 24.2142, 4.2454



9.3987, 24.2142, 13.2165



27.2418, 24.2142, 120.9470

# Complementary

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



39.7967, 24.2142, 4.2454



38.4957, 50.0271, 92.4207

# 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.



17.7904, 24.2142, 117.4079



39.7967, 24.2142, 4.2454



9.1521, 24.2142, 39.5291

# Square

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



39.7967, 24.2142, 4.2454



12.5793, 24.2142, 3.2822



11.7716, 24.2142, 81.3729



38.0439, 24.2142, 89.1032



# Rectangle

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



39.7967, 24.2142, 4.2454



22.2649, 24.2142, 0.8896



11.7716, 24.2142, 81.3729



23.7815, 24.2142, 124.2627

# Sweetspot

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



39.7972, 24.2156, 4.2458



71.3248, 66.7851, 57.1051



48.6183, 24.7266, 59.9994



14.7179, 13.5156, 11.0601



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.



39.7972, 24.2156, 4.2458



42.2992, 23.3785, 2.2831



53.0916, 50.8044, 8.6772



16.7518, 16.9877, 17.1936



20.8896, 11.6647, 1.1505



1.9032, 1.1597, 0.1235

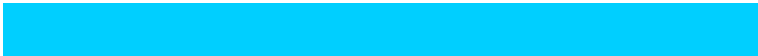


# Inverse Universe

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



38.4957, 50.0271, 92.4207



40.3494, 51.8187, 102.4831



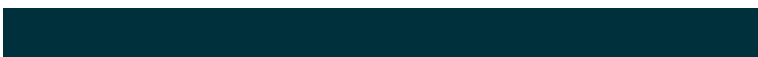
21.6126, 16.2609, 86.7930



16.7157, 18.1958, 21.1737



19.9567, 25.7071, 50.4482



1.8209, 2.3933, 4.4562



# Previews

## White Background



This preview shows how the XYZ color 39.7967, 24.2142, 4.2454 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 39.7967, 24.2142, 4.2454 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 39.7967, 24.2142, 4.2454**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7967, 24.2142, 4.2454.



This preview shows how white text looks on a background with the XYZ color 39.7967, 24.2142,

4.2454.

# 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

39.7967, 24.2142, 4.2454

### Protanopia

22.1642, 24.4266, 6.6786

### Deuteranopia

24.5192, 24.0985, 3.3879



## Tritanopia

40.7975, 24.2340, 9.0059

# Trichromacy



## Original Color

39.7967, 24.2142, 4.2454

## Protanomaly

26.2776, 22.4222, 5.5277

## Deuteranomaly

28.5739, 22.8393, 3.3179

## Tritanomaly

40.4412, 24.1941, 6.8134

# Monochromacy



## Original Color

39.7967, 24.2142, 4.2454

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

22.3128, 18.6381, 12.0944

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7967, 24.2142, 4.2454 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(243, 75, 36)` looks like.

```
.text, #text, p{  
    color:rgb(243, 75, 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(243, 75, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 75, 36) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7967, 24.2142, 4.2454 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(243, 75, 36) }
```



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

```
.border{ border-color:rgb(243, 75, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 75, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 75, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 75, 36);  
box-shadow:4px 4px 4px 4px rgb(243, 75,  
36) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7967, 24.2142, 4.2454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 75, 36) }
```

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

```
.background{ background-color: rgb(243, 75,  
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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