

# Converting Colors

XYZ(84.6204, 48.0949, 7.2106)

Have a look what the booklet for  
XYZ(84.6204, 48.0949, 7.2106)  
contains.

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# Color

**XYZ(44.7119, 27.4764,  
5.3298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF522C
RGB	255, 82, 44
RGB Percent	100%, 32%, 17%
CMY	0.0000, 0.6784, 0.8274
CMYK	0.00, 0.68, 0.83, 0.00
HSL	11°, 100%, 59%
HSV	11°, 83%, 100%
XYZ	44.7119, 27.4764, 5.3298
YIQ	129.3950, 115.3060, 24.8580

# Conversions

## Conversions Part 2

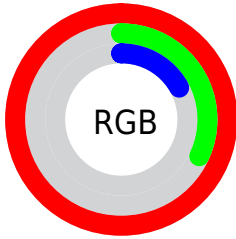
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 90, 44
Decimal	16732716
CIE <sub>Lab</sub>	59.41, 63.81, 56.86
CIE <sub>LCh</sub>	59, 85.468, 41.704
Yxy	27.4764, 0.5768, 0.3545
Android (android.graphics.Color)	4294922796 (0xFFFF522C)
YUV	129.3950, -42.0997, 110.1556
Hunter-Lab	52.4179, 60.5271, 30.6640

# Details

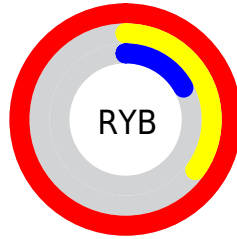
The XYZ color **44.7119, 27.4764, 5.3298** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **43.8987, 57.3756, 103.3679**, and the grayscale version is **21.1213, 22.2213, 24.1990**.

A 20% lighter version of the original color is **52.6385, 40.8243, 15.6952**, and **21.0080, 10.8622, 0.9894** is the 20% darker color. If you saturate the color by 10%, you get **43.0274, 24.6539, 3.0849**, and if you desaturate by 10%, it is **47.1716, 31.3799, 9.2829**.

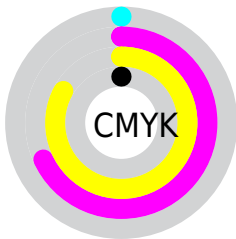
# Distribution



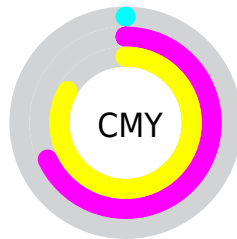
- Red (100%)
- Green (32%)
- Blue (17%)



- Red (100%)
- Yellow (35%)
- Blue (17%)



- Cyan (0%)
- Magenta (68%)
- Yellow (83%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7119, 27.4764, 5.3298 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 44.7119, 27.4764, 5.3298 by changing the saturation by 10% instead.





 44.7119, 27.4764,  
5.3298


 44.7119, 27.4764,  
5.3298

356.4088,  
289.9564, 162.0239


 31.4309, 17.9313,  
2.3799


 81.5276, 55.6474,  
16.9761

 21.0806, 10.9007,  
0.7755


 105.7931, 75.0421,  
26.5096


 13.2957, 6.0001,  
0.0000


 134.4507, 98.4888,  
39.0748

 7.7109, 2.8451,  
0.0000

 167.8658,  
126.3720, 55.0901

 3.9608, 1.0514,  
0.0000

 206.4039,  
159.0759, 74.9741

 1.6800, 0.0000,  
0.0000

 250.4301,

 0.4437, 0.0000,

196.9850, 99.1454

0.0000

300.3100,  
240.4837, 128.0225

■ 0.0000, 0.0000,  
0.0000

■ 44.7119, 27.4764,  
5.3298

■ 44.7119, 27.4764,  
5.3298

■ 43.0274, 24.6539,  
3.0849

■ 47.1716, 31.3799,  
9.2829

■ 42.2142, 23.2089,  
2.2548

■ 50.4909, 36.4573,  
15.2026

■ 54.7446, 42.7966,  
23.3045

■ 59.9983, 50.4757,  
33.7752

■ 66.3118, 59.5663,  
46.7815

73.7397, 70.1347,  
62.4749

82.3331, 82.2432,  
80.9950

92.1397, 95.9505,  
102.4718

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



51.9265, 27.4764, 19.4740



44.7119, 27.4764, 5.3298



33.1308, 27.4764, 1.5889

# Triad

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



44.7119, 27.4764, 5.3298



11.0332, 27.4764, 14.9556



30.5213, 27.4764, 132.8506

# Complementary

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



44.7119, 27.4764, 5.3298



43.8987, 57.3756, 103.3679

# 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.



20.1678, 27.4764, 128.1636



44.7119, 27.4764, 5.3298



10.6916, 27.4764, 43.5521

# Square

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



44.7119, 27.4764, 5.3298



14.6682, 27.4764, 3.9508



13.5573, 27.4764, 88.8337



42.3575, 27.4764, 99.1159



# Rectangle

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



44.7119, 27.4764, 5.3298



25.5076, 27.4764, 1.2068



13.5573, 27.4764, 88.8337



26.7330, 27.4764, 136.1206

# Sweetspot

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



44.7125, 27.4780, 5.3302



71.9647, 67.6190, 58.6934



55.0366, 28.2198, 70.1404



14.8364, 13.6674, 11.3624



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.



44.7125, 27.4780, 5.3302



42.3120, 23.3817, 2.3563



58.9736, 56.0003, 10.0839



18.2739, 18.5161, 18.7551



22.1338, 12.2789, 1.2035



2.2234, 1.3322, 0.1400

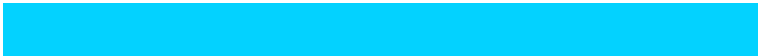


# Inverse Universe

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



43.8987, 57.3756, 103.3679



41.0109, 53.0943, 102.6945



25.1437, 19.8656, 97.1162



18.2602, 19.8920, 23.1271



21.4543, 27.8181, 53.6733



2.1582, 2.8471, 5.2491



# Previews

## White Background



This preview shows how the XYZ color 44.7119, 27.4764, 5.3298 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 44.7119, 27.4764, 5.3298 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 44.7119, 27.4764, 5.3298**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7119, 27.4764, 5.3298.



This preview shows how white text looks on a background with the XYZ color 44.7119, 27.4764,



# 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

44.7119, 27.4764, 5.3298

### Protanopia

25.2861, 27.7463, 8.2978

### Deuteranopia

28.0251, 27.4980, 4.6947



## Tritanopia

45.5973, 27.4765, 11.0839

# Trichromacy



## Original Color

44.7119, 27.4764, 5.3298

## Protanomaly

30.0089, 25.5432, 6.8387

## Deuteranomaly

32.5051, 25.9996, 4.6015

## Tritanomaly

45.1828, 27.4270, 8.5428

# Monochromacy



## Original Color

44.7119, 27.4764, 5.3298

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

25.6780, 21.5841, 14.3681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7119, 27.4764, 5.3298 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(255, 82, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 44)  
}
```

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(255, 82, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 44) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7119, 27.4764, 5.3298 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(255, 82, 44) }
```



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

```
.border{ border-color:rgb(255, 82, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
44) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7119, 27.4764, 5.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 44) }
```

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

```
.background{ background-color: rgb(255, 82,  
44) }
```

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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