

# Converting Colors

XYZ(45.3091, 27.0277, 9.4479)

Have a look what the booklet for  
XYZ(45.3091, 27.0277, 9.4479)  
contains.

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# Color

**XYZ(45.0944, 26.9369,  
9.4792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4C4B
RGB	255, 76, 75
RGB Percent	100%, 30%, 29%
CMY	0.0000, 0.7019, 0.7059
CMYK	0.00, 0.70, 0.71, 0.00
HSL	0°, 100%, 65%
HSV	0°, 71%, 100%
XYZ	45.0944, 26.9369, 9.4792
YIQ	129.4070, 107.0050, 37.6370

# Conversions

## Conversions Part 2

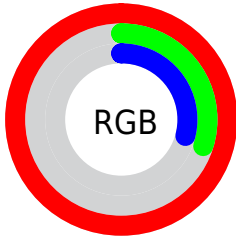
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 76, 75
Decimal	16731211
CIELab	58.92, 67.06, 40.52
CIELCh	59, 78.351, 31.146
Yxy	26.9369, 0.5532, 0.3305
Android (android.graphics.Color)	4294921291 (0xFFFF4C4B)
YUV	129.4070, -26.8227, 110.1451
Hunter-Lab	51.9008, 64.2648, 25.5018

# Details

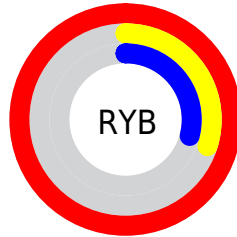
The XYZ color **45.0944, 26.9369, 9.4792** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **56.3892, 79.5912, 106.9976**, and the grayscale version is **21.0757, 22.1733, 24.1467**.

A 20% lighter version of the original color is **53.5421, 40.0432, 23.9759**, and **21.4695, 11.0409, 2.2278** is the 20% darker color. If you saturate the color by 10%, you get **42.9735, 23.8236, 5.2949**, and if you desaturate by 10%, it is **48.2539, 31.5689, 15.7342**.

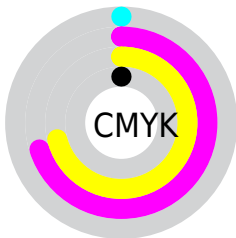
# Distribution



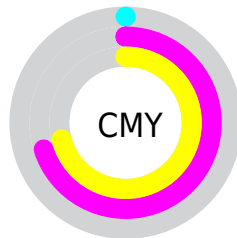
- Red (100%)
- Green (30%)
- Blue (29%)



- Red (100%)
- Yellow (30%)
- Blue (29%)



- Cyan (0%)
- Magenta (70%)
- Yellow (71%)
- Black (0%)




- Cyan (0%)
- Magenta (70%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0944, 26.9369, 9.4792 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 45.0944, 26.9369, 9.4792 by changing the saturation by 10% instead.





 45.0944, 26.9369,  
9.4792


 45.0944, 26.9369,  
9.4792


357.9330,  
287.3515, 197.2614


 31.7334, 17.5258,  
4.9540


 82.0982, 54.7826,  
25.4035

 21.3125, 10.6101,  
2.1620


 106.4718, 73.9860,  
37.6397

 13.4664, 5.8053,  
0.6523


 135.2469, 97.2224,  
53.2833

 7.8297, 2.7271,  
0.0000

 168.7889,  
124.8760, 72.7529

 4.0370, 0.9910,  
0.0000

 207.4631,  
157.3313, 96.4669

 1.7231, 0.0000,  
0.0000

251.6350,

 0.4707, 0.0000,

194.9728, 124.8440

0.0000

301.6698,  
238.1847, 158.3026

■ 0.0000, 0.0000,  
0.0000

■ 45.0944, 26.9369,  
9.4792

■ 45.0944, 26.9369,  
9.4792

■ 42.9735, 23.8236,  
5.2949

■ 48.2539, 31.5689,  
15.7342

■ 41.7586, 22.0339,  
2.9163


■ 52.5596, 37.8742,  
24.2791

■ 41.2552, 21.2910,  
1.9352

■ 58.1079, 45.9937,  
35.3067

■ 64.9845, 56.0521,  
48.9892

■ 73.2673, 68.1632,  
65.4834

 83.0285, 82.4317,  
84.9337

94.3351, 98.9556,  
107.4751

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.



49.1212, 26.9369, 28.2753



45.0944, 26.9369, 9.4792



35.6906, 26.9369, 3.0202

# Triad

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



45.0944, 26.9369, 9.4792



12.5030, 26.9369, 10.3767



25.9772, 26.9369, 121.5984

# Complementary

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



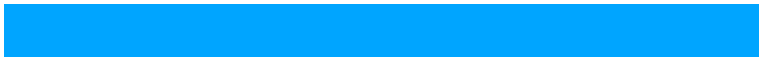
45.0944, 26.9369, 9.4792



56.3892, 79.5912, 106.9976

# 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.



17.6210, 26.9369, 105.3116



45.0944, 26.9369, 9.4792



11.1245, 26.9369, 30.4100

# Square

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



45.0944, 26.9369, 9.4792



17.1226, 26.9369, 3.2608



12.7355, 26.9369, 66.5024



36.5021, 26.9369, 102.8288



# Rectangle

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



45.0944, 26.9369, 9.4792



28.5797, 26.9369, 1.8860



12.7355, 26.9369, 66.5024



22.8400, 26.9369, 119.9916

# Sweetspot

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



45.0950, 26.9385, 9.4796



72.8978, 67.6226, 64.7466



61.8056, 33.5120, 97.8179



15.0862, 13.7182, 12.8288



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.



45.0950, 26.9385, 9.4796



42.3349, 22.8836, 4.0406



55.9648, 48.6781, 13.1029



18.0176, 18.0034, 18.6697



21.5605, 11.1322, 1.0124



2.1020, 1.0894, 0.0995



# Inverse Universe

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



56.3892, 79.5912, 106.9976



54.2310, 78.3817, 106.8786



34.4067, 35.6261, 99.6701



18.5456, 20.4629, 23.2222



27.8828, 40.6752, 55.8161



2.7176, 3.9659, 5.4355



# Previews

## White Background



This preview shows how the XYZ color 45.0944, 26.9369, 9.4792 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 45.0944, 26.9369, 9.4792 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 45.0944, 26.9369, 9.4792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.0944, 26.9369, 9.4792.



This preview shows how white text looks on a background with the XYZ color 45.0944, 26.9369,



# 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

45.0944, 26.9369, 9.4792

### Protanopia

25.0145, 27.0001, 15.4484

### Deuteranopia

27.4939, 26.9282, 8.5991



## Tritanopia

45.2357, 26.9934, 10.2232

# Trichromacy



## Original Color

45.0944, 26.9369, 9.4792

## Protanomaly

29.5591, 24.6422, 12.8713

## Deuteranomaly

32.2375, 25.4311, 8.6784

## Tritanomaly

45.1996, 26.9789, 10.0329

# Monochromacy



## Original Color

45.0944, 26.9369, 9.4792

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

26.0154, 21.3699, 17.2216

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.0944, 26.9369, 9.4792 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, 76, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 76, 75)  
}
```

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, 76, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 76, 75) }
```

## Border

The CSS property to change the border of an element to XYZ 45.0944, 26.9369, 9.4792 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, 76, 75) }
```



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

```
.border{ border-color:rgb(255, 76, 75) }
```

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

Here you see how a box with a 4 pixel rgb(255, 76, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 76, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 76, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 76,  
75) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.0944, 26.9369, 9.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 76, 75) }
```

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

```
.background{ background-color: rgb(255, 76,  
75) }
```

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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