

# Converting Colors

XYZ(45.6648, 27.5477, 11.3027)

Have a look what the booklet for  
XYZ(45.6648, 27.5477, 11.3027)  
contains.

<b>XYZ(45.6362, 27.4921, 11.2887)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.6362, 27.4921,  
11.2887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4F54
RGB	255, 79, 84
RGB Percent	100%, 31%, 33%
CMY	0.0000, 0.6901, 0.6706
CMYK	0.00, 0.69, 0.67, 0.00
HSL	358°, 100%, 65%
HSV	358°, 69%, 100%
XYZ	45.6362, 27.4921, 11.2887
YIQ	132.1940, 103.2910, 38.8670

# Conversions

## Conversions Part 2

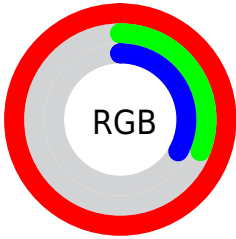
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 79, 84
Decimal	16731988
CIE Lab	59.43, 66.41, 36.09
CIE LCh	59, 75.582, 28.522
Yxy	27.4921, 0.5406, 0.3257
Android (android.graphics.Color)	4294922068 (0xFFFF4F54)
YUV	132.1940, -23.7596, 107.7009
Hunter-Lab	52.4329, 63.6040, 23.9380

# Details

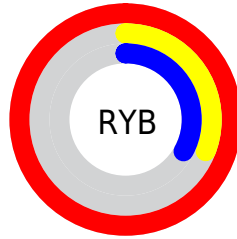
The XYZ color **45.6362, 27.4921, 11.2887** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed red. A complement of this color would be **56.2423, 80.0851, 102.9452**, and the grayscale version is **22.0608, 23.2097, 25.2753**.

A 20% lighter version of the original color is **54.6316, 41.1582, 27.6192**, and **21.8521, 11.2228, 2.9339** is the 20% darker color. If you saturate the color by 10%, you get **43.3315, 24.1711, 6.5498**, and if you desaturate by 10%, it is **48.9901, 32.3633, 18.0700**.

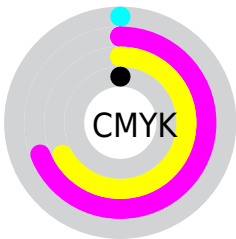
# Distribution



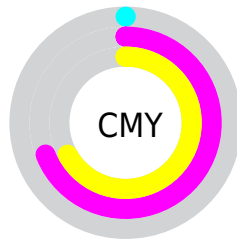
- Red (100%)
- Green (31%)
- Blue (33%)



- Red (100%)
- Yellow (31%)
- Blue (33%)



- Cyan (0%)
- Magenta (69%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (69%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6362, 27.4921, 11.2887 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 45.6362, 27.4921, 11.2887 by changing the saturation by 10% instead.





 45.6362, 27.4921,  
11.2887


 45.6362, 27.4921,  
11.2887


360.0846,  
290.0320, 210.4457

 32.1622, 17.9431,  
6.1448


 82.9055, 55.6725,  
28.8376

 21.6416, 10.9092,  
2.8631


 107.4315, 75.0728,  
42.0796


 13.7089, 6.0058,  
1.0252


 136.3723, 98.5256,  
58.8580

 7.9988, 2.8486,  
0.0000

 170.0931,  
126.4154, 79.5914

 4.1460, 1.0532,  
0.0000

 208.9595,  
159.1265, 104.6984

 1.7851, 0.0000,  
0.0000

253.3366,

 0.5086, 0.0000,

197.0434, 134.5974

0.0000

303.5898,  
240.5504, 169.7069

■ 0.0000, 0.0000,  
0.0000

■ 45.6362, 27.4921,  
11.2887

■ 45.6362, 27.4921,  
11.2887

■ 43.3315, 24.1711,  
6.5498

■ 48.9901, 32.3633,  
18.0700

■ 41.9505, 22.2090,  
3.6231

■ 53.4961, 38.9372,  
27.0879


■ 41.3199, 21.3356,  
2.2180

■ 59.2467, 47.3535,  
38.5153

■ 41.2793, 21.2757,  
2.1385

■ 66.3246, 57.7360,  
52.5078

■ 74.8057, 70.1979,  
69.2081

 84.7596, 84.8438,  
88.7482

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.



48.9105, 27.4921, 31.3004



45.6362, 27.4921, 11.2887



36.8484, 27.4921, 3.8399

# Triad

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



45.6362, 27.4921, 11.2887



13.4659, 27.4921, 10.1151



25.6633, 27.4921, 118.2945

# Complementary

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



45.6362, 27.4921, 11.2887



56.2423, 80.0851, 102.9452

# 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.



17.7228, 27.4921, 100.1552



45.6362, 27.4921, 11.2887



11.8182, 27.4921, 28.6084

# Square

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



45.6362, 27.4921, 11.2887



18.3586, 27.4921, 3.5076



13.1661, 27.4921, 62.4126



35.8342, 27.4921, 103.1963



# Rectangle

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



45.6362, 27.4921, 11.2887



29.9271, 27.4921, 2.3871



13.1661, 27.4921, 62.4126



22.6692, 27.4921, 115.7475

# Sweetspot

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



45.6368, 27.4937, 11.2891



73.0074, 67.5537, 65.6711



59.9611, 32.9779, 97.8121



15.1115, 13.7023, 13.0427



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.



45.6368, 27.4937, 11.2891



42.6784, 23.2380, 5.1805



55.4207, 47.3631, 13.6205



18.0302, 17.9954, 18.7764



21.5785, 11.1207, 1.1649



2.1080, 1.0856, 0.1503



# Inverse Universe

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



45.6368, 27.4937, 11.2891



42.6784, 23.2380, 5.1805



36.1944, 38.7208, 100.1733



18.0302, 17.9954, 18.7764



21.5785, 11.1207, 1.1649



2.1080, 1.0856, 0.1503



# Previews

## White Background



This preview shows how the XYZ color 45.6362, 27.4921, 11.2887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

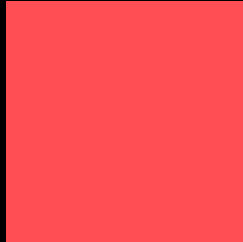
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.6362, 27.4921, 11.2887 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 45.6362, 27.4921, 11.2887**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6362, 27.4921, 11.2887.



This preview shows how white text looks on a background with the XYZ color 45.6362, 27.4921,



# 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

45.6362, 27.4921, 11.2887

### Protanopia

25.7196, 27.5214, 18.4246

### Deuteranopia

28.0862, 27.6158, 10.3287



## Tritanopia

45.5973, 27.4765, 11.0839

# Trichromacy



## Original Color

45.6362, 27.4921, 11.2887

## Protanomaly

30.2519, 25.3002, 15.3456

## Deuteranomaly

32.7974, 26.0200, 10.5015

## Tritanomaly

45.5973, 27.4765, 11.0839

# Monochromacy



## Original Color

45.6362, 27.4921, 11.2887

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

27.1311, 22.3952, 19.1124

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6362, 27.4921, 11.2887 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, 79, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 84)  
}
```

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, 79, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 84) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6362, 27.4921, 11.2887 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, 79, 84) }
```



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

```
.border{ border-color:rgb(255, 79, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 79, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
84) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6362, 27.4921, 11.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 84) }
```

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

```
.background{ background-color: rgb(255, 79,  
84) }
```

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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