

Converting Colors

XYZ(45.7255, 27.5102, 11.8132)

Have a look what the booklet for
XYZ(45.7255, 27.5102, 11.8132)
contains.

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Color

**XYZ(45.7563, 27.5401,
11.9210)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4F57
RGB	255, 79, 87
RGB Percent	100%, 31%, 34%
CMY	0.0000, 0.6901, 0.6588
CMYK	0.00, 0.69, 0.66, 0.00
HSL	357°, 100%, 65%
HSV	357°, 69%, 100%
XYZ	45.7563, 27.5401, 11.9210
YIQ	132.5360, 102.3280, 39.8000

Conversions

Conversions Part 2

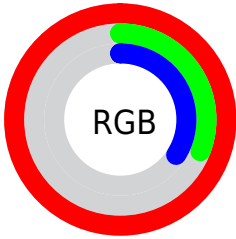
Format	Color
R_{YB}	255, 79, 87
Decimal	16731991
CIE _{Lab}	59.47, 66.56, 34.44
CIE _{LCh}	59, 74.947, 27.360
Yxy	27.5401, 0.5369, 0.3232
Android (android.graphics.Color)	4294922071 (0xFFFF4F57)
YUV	132.5360, -22.4492, 107.4009
Hunter-Lab	52.4787, 63.7970, 23.2668

Details

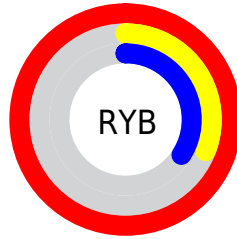
The XYZ color **45.7563, 27.5401, 11.9210** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed red. A complement of this color would be **55.7754, 79.8984, 100.4864**, and the grayscale version is **22.1803, 23.3354, 25.4122**.

A 20% lighter version of the original color is **54.8438, 41.2431, 28.7370**, and **21.9038, 11.2435, 3.2062** is the 20% darker color. If you saturate the color by 10%, you get **43.4240, 24.2081, 7.0367**, and if you desaturate by 10%, it is **49.1299, 32.4192, 18.8063**.

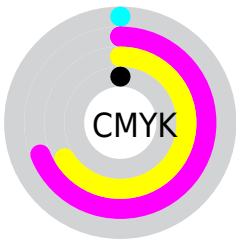
Distribution



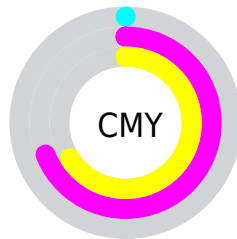
- Red (100%)
- Green (31%)
- Blue (34%)



- Red (100%)
- Yellow (31%)
- Blue (34%)



- Cyan (0%)
- Magenta (69%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (69%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7563, 27.5401, 11.9210 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 45.7563, 27.5401, 11.9210 by changing the saturation by 10% instead.


 45.7563, 27.5401,
11.9210


 45.7563, 27.5401,
11.9210


360.5604,
290.2628, 214.8409


 32.2574, 17.9793,
6.5680


 83.0843, 55.7493,
30.0134


 21.7147, 10.9351,
3.1191


 107.6440, 75.1666,
43.5899


 13.7628, 6.0232,
1.1558


 136.6214, 98.6380,
60.7446

 8.0365, 2.8592,
0.0000

 170.3818,
126.5481, 81.8961

 4.1703, 1.0587,
0.0000

 209.2905,
159.2812, 107.4630

 1.7989, 0.0000,
0.0000

253.7130,

 0.5170, 0.0000,

197.2218, 137.8637

0.0000

304.0145,
240.7542, 173.5168

■ 0.0000, 0.0000,
0.0000

■ 45.7563, 27.5401,
11.9210

■ 45.7563, 27.5401,
11.9210

■ 43.4240, 24.2081,
7.0367

■ 49.1299, 32.4192,
18.8063

■ 42.0103, 22.2329,
3.9378

■ 53.6456, 38.9969,
27.8753

■ 41.3461, 21.3460,
2.3555

■ 59.3941, 47.4123,
39.2916

■ 41.3036, 21.2854,
2.2659

■ 66.4566, 57.7886,
53.2029

■ 74.9075, 70.2385,
69.7446

84.8155, 84.8660,
89.0426

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



48.7273, 27.5401, 32.4371



45.7563, 27.5401, 11.9210



37.1970, 27.5401, 4.0956

Triad

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



45.7563, 27.5401, 11.9210



13.7057, 27.5401, 9.8227



25.3515, 27.5401, 117.2372

Complementary

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



45.7563, 27.5401, 11.9210



55.7754, 79.8984, 100.4864

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.



17.5803, 27.5401, 98.2008



45.7563, 27.5401, 11.9210



11.9435, 27.5401, 27.6625

Square

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



45.7563, 27.5401, 11.9210



18.7107, 27.5401, 3.4947



13.1714, 27.5401, 60.6585



35.4022, 27.5401, 103.5587

Rectangle

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



45.7563, 27.5401, 11.9210



30.3380, 27.5401, 2.5195



13.1714, 27.5401, 60.6585



22.4133, 27.5401, 114.2824

Sweetspot

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



45.7569, 27.5417, 11.9214



73.1165, 67.5973, 66.2458



58.9230, 32.4427, 97.7637



15.1368, 13.7124, 13.1758



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.



45.7569, 27.5417, 11.9214



42.7583, 23.2700, 5.6010



54.9136, 46.3487, 13.4514



18.0428, 18.0004, 18.8425



21.5964, 11.1278, 1.2589



2.1140, 1.0880, 0.1817

Inverse Universe

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



45.7569, 27.5417, 11.9214



42.7583, 23.2700, 5.6010



36.7625, 39.8570, 100.3628



18.0428, 18.0004, 18.8425



21.5964, 11.1278, 1.2589



2.1140, 1.0880, 0.1817

Previews

White Background



This preview shows how the XYZ color 45.7563, 27.5401, 11.9210 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 45.7563, 27.5401, 11.9210 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 45.7563, 27.5401, 11.9210

Background



This preview shows how black text looks on a background with the XYZ color 45.7563, 27.5401, 11.9210.



This preview shows how white text looks on a background with the XYZ color 45.7563, 27.5401,

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

45.7563, 27.5401, 11.9210

Protanopia

25.8840, 27.5871, 19.2898

Deuteranopia

28.2253, 27.6715, 11.0612



Tritanopia

45.7089, 27.6374, 11.3129

Trichromacy



Original Color

45.7563, 27.5401, 11.9210

Protanomaly

30.3999, 25.3594, 16.1246

Deuteranomaly

32.9074, 26.0640, 11.0810

Tritanomaly

45.7484, 27.6532, 11.5207

Monochromacy



Original Color

45.7563, 27.5401, 11.9210

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

27.1890, 22.4183, 19.4171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7563, 27.5401, 11.9210 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 87) }
```

Border

The CSS property to change the border of an element to XYZ 45.7563, 27.5401, 11.9210 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, 87) }
```


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

```
.border{ border-color:rgb(255, 79, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7563, 27.5401, 11.9210 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, 87) }
```

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

```
.background{ background-color: rgb(255, 79,  
87) }
```

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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