

Converting Colors

XYZ(45.5955, 28.7360, 12.8046)

Have a look what the booklet for
XYZ(45.5955, 28.7360, 12.8046)
contains.

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Color

**XYZ(45.6465, 28.7460,
12.8155)**

Conversions

Conversions Part 1

Format	Color
Hex	FC5A5A
RGB	252, 90, 90
RGB Percent	99%, 35%, 35%
CMY	0.0118, 0.6470, 0.6471
CMYK	0.00, 0.64, 0.64, 0.01
HSL	0°, 96%, 67%
HSV	0°, 64%, 99%
XYZ	45.6465, 28.7460, 12.8155
YIQ	138.4380, 96.5520, 34.3440

Conversions

Conversions Part 2

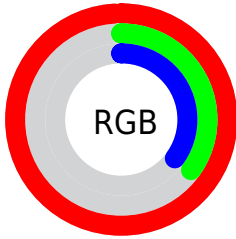
Format	Color
R_{YB}	252, 90, 90
Decimal	16538202
CIE Lab	60.56, 61.57, 33.98
CIE LCh	61, 70.324, 28.895
Yxy	28.7460, 0.5234, 0.3296
Android (android.graphics.Color)	4294728282 (0xFFFC5A5A)
YUV	138.4380, -23.8799, 99.5939
Hunter-Lab	53.6153, 58.1429, 23.3588

Details

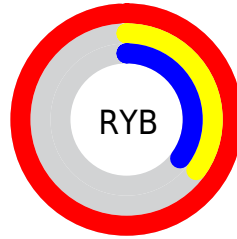
The XYZ color **45.6465, 28.7460, 12.8155** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **56.5941, 78.8159, 104.3250**, and the grayscale version is **24.3890, 25.6591, 27.9428**.

A 20% lighter version of the original color is **56.4073, 44.0209, 30.3348**, and **21.7675, 11.6539, 3.4850** is the 20% darker color. If you saturate the color by 10%, you get **42.9725, 24.8337, 7.4993**, and if you desaturate by 10%, it is **49.4053, 34.2469, 20.2866**.

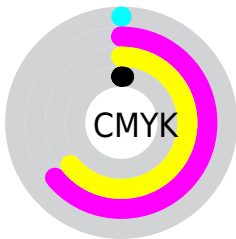
Distribution



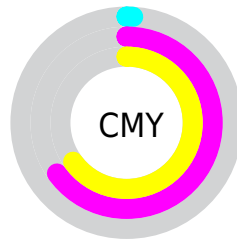
- Red (99%)
- Green (35%)
- Blue (35%)



- Red (99%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (64%)
- Yellow (64%)
- Black (1%)




- Cyan (1%)
- Magenta (65%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6465, 28.7460, 12.8155 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 45.6465, 28.7460, 12.8155 by changing the saturation by 10% instead.


 45.6465, 28.7460,
12.8155


 45.6465, 28.7460,
12.8155


360.1254,
296.0146, 220.8980

 32.1704, 18.8888,
7.1724


 82.9208, 57.6733,
31.6582


 21.6479, 11.5899,
3.4901


 107.4497, 77.5121,
45.6949


 13.7135, 6.4651,
1.3500


 136.3936,
101.4469, 63.3666

 8.0021, 3.1299,
0.1022

 170.1179,
129.8621, 85.0917

 4.1481, 1.1999,
0.0000

 208.9879,
163.1421, 111.2889

 1.7862, 0.0616,
0.0000

253.3689,

 0.5094, 0.0000,

201.6713, 142.3766

0.0000

303.6263,
245.8340, 178.7735

■ 0.0000, 0.0000,
0.0000

■ 45.6465, 28.7460,
12.8155

■ 45.6465, 28.7460,
12.8155

■ 42.9725, 24.8337,
7.4993

■ 49.4053, 34.2469,
20.2866

■ 41.2667, 22.3375,
4.1086

■ 54.3456, 41.4760,
30.1074


■ 40.3893, 21.0535,
2.3648


■ 60.5556, 50.5632,
42.4525

■ 40.1448, 20.6957,
1.8788

■ 68.1147, 61.6243,
57.4797

■ 77.0958, 74.7662,
75.3338

 87.5665, 90.0877,
96.1493

 93.9546, 99.4353,
108.8487

Harmonies

Analogous

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



48.7725, 28.7460, 32.2745



45.6465, 28.7460, 12.8155



37.3764, 28.7460, 5.0341

Triad

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



45.6465, 28.7460, 12.8155



14.9289, 28.7460, 11.9157



26.9866, 28.7460, 112.6912

Complementary

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



45.6465, 28.7460, 12.8155



56.5941, 78.8159, 104.3250

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.



19.2551, 28.7460, 96.6445



45.6465, 28.7460, 12.8155



13.3144, 28.7460, 30.3443

Square

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



45.6465, 28.7460, 12.8155



19.7210, 28.7460, 4.7540



14.7048, 28.7460, 62.2296



36.6617, 28.7460, 98.7053

Rectangle

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



45.6465, 28.7460, 12.8155



30.8268, 28.7460, 3.4012



14.7048, 28.7460, 62.2296



24.0939, 28.7460, 110.5265

Sweetspot

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



45.6472, 28.7476, 12.8160



74.6522, 70.1524, 68.3496



61.3714, 35.0360, 95.6228



15.4242, 14.2042, 13.5274



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.



45.6472, 28.7476, 12.8160



43.5670, 24.6655, 6.5549



56.5530, 50.5593, 16.4512



17.2448, 17.2254, 17.8783



20.9120, 10.7807, 0.9787



1.9368, 0.9985, 0.0907

Inverse Universe

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



56.5941, 78.8159, 104.3250



55.5890, 79.6513, 107.0521



36.3500, 38.3277, 97.5770



17.7658, 19.6084, 22.2337



27.2834, 39.9223, 54.2413



2.5269, 3.6976, 5.0237

Previews

White Background



This preview shows how the XYZ color 45.6465, 28.7460, 12.8155 looks on a white background.

Color Contrast Check

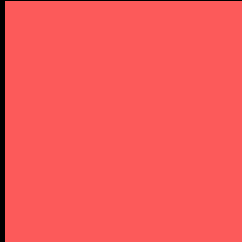
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6465, 28.7460, 12.8155 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 45.6465, 28.7460, 12.8155

Background



This preview shows how black text looks on a background with the XYZ color 45.6465, 28.7460, 12.8155.



This preview shows how white text looks on a background with the XYZ color 45.6465, 28.7460,

12.8155.

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

45.6465, 28.7460, 12.8155

Protanopia

26.9138, 28.7955, 19.4688

Deuteranopia

29.4915, 28.9491, 12.0160



Tritanopia

45.7828, 28.6664, 13.9466

Trichromacy



Original Color

45.6465, 28.7460, 12.8155

Protanomaly

31.4454, 26.9976, 16.6504

Deuteranomaly

34.0528, 27.6968, 12.1456

Tritanomaly

45.6930, 28.6305, 13.4739

Monochromacy



Original Color

45.6465, 28.7460, 12.8155

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.8790, 24.6389, 21.3229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6465, 28.7460, 12.8155 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(252, 90, 90)` looks like.

```
.text, #text, p{  
    color:rgb(252, 90, 90)  
}
```

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(252, 90, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 90, 90) }
```

Border

The CSS property to change the border of an element to XYZ 45.6465, 28.7460, 12.8155 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(252, 90, 90) }
```


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

```
.border{ border-color:rgb(252, 90, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 90, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 90, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 90, 90);  
box-shadow:4px 4px 4px 4px rgb(252, 90,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6465, 28.7460, 12.8155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 90, 90) }
```

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

```
.background{ background-color: rgb(252, 90,  
90) }
```

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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