

Converting Colors

XYZ(45.4652, 27.8125, 9.1895)

Have a look what the booklet for
XYZ(45.4652, 27.8125, 9.1895)
contains.

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Color

**XYZ(45.4599, 27.7756,
9.2686)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5249
RGB	255, 82, 73
RGB Percent	100%, 32%, 29%
CMY	0.0000, 0.6784, 0.7137
CMYK	0.00, 0.68, 0.71, 0.00
HSL	3°, 100%, 64%
HSV	3°, 71%, 100%
XYZ	45.4599, 27.7756, 9.2686
YIQ	132.7010, 105.9970, 33.8770

Conversions

Conversions Part 2

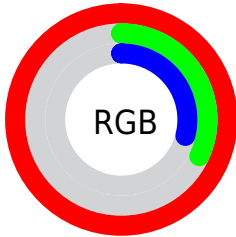
Format	Color
R_{YB}	255, 82, 73
Decimal	16732745
CIE _{Lab}	59.69, 64.79, 42.51
CIE _{LCh}	60, 77.493, 33.271
Yxy	27.7756, 0.5510, 0.3367
Android (android.graphics.Color)	4294922825 (0xFFFF5249)
YUV	132.7010, -29.4326, 107.2562
Hunter-Lab	52.7026, 61.7401, 26.4647

Details

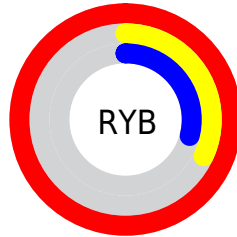
The XYZ color **45.4599, 27.7756, 9.2686** is a dark color, and the websafe version is hex **FF3333**. The color can be described as middle washed red. A complement of this color would be **53.7501, 74.5414, 106.1621**, and the grayscale version is **22.2637, 23.4231, 25.5078**.

A 20% lighter version of the original color is **54.1309, 41.4213, 23.5545**, and **21.4448, 11.0310, 2.0975** is the 20% darker color. If you saturate the color by 10%, you get **43.2647, 24.4725, 5.1860**, and if you desaturate by 10%, it is **48.6478, 32.5106, 15.3909**.

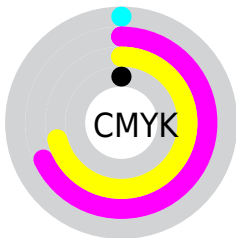
Distribution



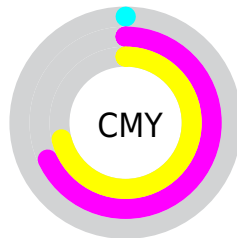
- Red (100%)
- Green (32%)
- Blue (29%)



- Red (100%)
- Yellow (32%)
- Blue (29%)



- Cyan (0%)
- Magenta (68%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4599, 27.7756, 9.2686 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 45.4599, 27.7756, 9.2686 by changing the saturation by 10% instead.


 45.4599, 27.7756,
9.2686


 45.4599, 27.7756,
9.2686


359.3854,
291.3931, 195.6604

 32.0226, 18.1566,
4.8176


 82.6429, 56.1260,
24.9963


 21.5344, 11.0625,
2.0838


 107.1194, 75.6261,
37.1102


 13.6299, 6.1089,
0.6061


 136.0064, 99.1887,
52.6153

 7.9437, 2.9114,
0.0000

 169.6691,
127.1983, 71.9304

 4.1104, 1.0856,
0.0000

 208.4731,
160.0391, 95.4739

 1.7648, 0.0000,
0.0000

252.7835,

 0.4963, 0.0000,

198.0955, 123.6644

0.0000

302.9659,
241.7521, 156.9204

■ 0.0000, 0.0000,
0.0000

■ 45.4599, 27.7756,
9.2686

■ 45.4599, 27.7756,
9.2686

■ 43.2647, 24.4725,
5.1860

■ 48.6478, 32.5106,
15.3909

■ 41.9434, 22.4355,
2.8789


■ 52.9254, 38.8101,
23.7707


■ 41.3789, 21.5382,
1.9764

■ 58.3801, 46.7967,
34.5996

■ 65.0900, 56.5798,
48.0483

■ 73.1266, 68.2593,
64.2721

 82.5559, 81.9281,
83.4146

 93.4394, 97.6727,
105.6090

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



49.9887, 27.7756, 27.2715



45.4599, 27.7756, 9.2686



35.7976, 27.7756, 3.1320

Triad

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



45.4599, 27.7756, 9.2686



12.9098, 27.7756, 11.9060



27.4880, 27.7756, 122.2292

Complementary

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



45.4599, 27.7756, 9.2686



53.7501, 74.5414, 106.1621

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.



18.8102, 27.7756, 108.4011



45.4599, 27.7756, 9.2686



11.7196, 27.7756, 33.4227

Square

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



45.4599, 27.7756, 9.2686



17.3655, 27.7756, 3.8601



13.5876, 27.7756, 70.4766



38.1242, 27.7756, 101.3588

Rectangle

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



45.4599, 27.7756, 9.2686



28.6661, 27.7756, 2.0880



13.5876, 27.7756, 70.4766



24.2563, 27.7756, 121.5117

Sweetspot

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



45.4605, 27.7772, 9.2690



73.4526, 68.7321, 64.9315



60.7107, 32.8605, 92.7104



15.2146, 13.9751, 12.8716



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.



45.4605, 27.7772, 9.2690



42.5528, 23.3833, 3.9158



56.8296, 50.5154, 13.0587



18.0815, 18.1312, 18.6910



21.6516, 11.3143, 1.0427



2.1324, 1.1501, 0.1096

Inverse Universe

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



53.7501, 74.5414, 106.1621



51.1609, 72.3772, 105.8815



33.0132, 33.0675, 99.2498



18.4733, 20.3182, 23.1981



26.1148, 37.1392, 55.2268



2.5655, 3.6616, 5.3848

Previews

White Background



This preview shows how the XYZ color 45.4599, 27.7756, 9.2686 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 45.4599, 27.7756, 9.2686 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 45.4599, 27.7756, 9.2686

Background



This preview shows how black text looks on a background with the XYZ color 45.4599, 27.7756, 9.2686.



This preview shows how white text looks on a background with the XYZ color 45.4599, 27.7756,

9.2686.

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

45.4599, 27.7756, 9.2686

Protanopia

25.7039, 27.8226, 14.6052

Deuteranopia

28.4333, 27.8339, 8.5765



Tritanopia

45.8221, 27.8007, 11.5453

Trichromacy



Original Color

45.4599, 27.7756, 9.2686

Protanomaly

30.2553, 25.5531, 12.1417

Deuteranomaly

33.1065, 26.3932, 8.6597

Tritanomaly

45.6676, 27.7389, 10.7318

Monochromacy



Original Color

45.4599, 27.7756, 9.2686

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

27.0180, 22.5294, 17.9635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4599, 27.7756, 9.2686 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 73) }
```

Border

The CSS property to change the border of an element to XYZ 45.4599, 27.7756, 9.2686 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, 73) }
```


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

```
.border{ border-color:rgb(255, 82, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4599, 27.7756, 9.2686 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, 73) }
```

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

```
.background{ background-color: rgb(255, 82,  
73) }
```

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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