

Converting Colors

XYZ(45.2731, 27.6181, 8.5404)

Have a look what the booklet for
XYZ(45.2731, 27.6181, 8.5404)
contains.

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Color

**XYZ(45.2566, 27.5745,
8.5674)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5145
RGB	255, 81, 69
RGB Percent	100%, 32%, 27%
CMY	0.0000, 0.6823, 0.7294
CMYK	0.00, 0.68, 0.73, 0.00
HSL	4°, 100%, 64%
HSV	4°, 73%, 100%
XYZ	45.2566, 27.5745, 8.5674
YIQ	131.6580, 107.5560, 33.1560

Conversions

Conversions Part 2

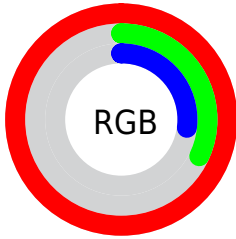
Format	Color
R_{YB}	255, 82, 69
Decimal	16732485
CIE _{Lab}	59.50, 65.00, 44.47
CIE _{LCh}	60, 78.755, 34.382
Yxy	27.5745, 0.5560, 0.3388
Android (android.graphics.Color)	4294922565 (0xFFFF5145)
YUV	131.6580, -30.8904, 108.1709
Hunter-Lab	52.5114, 61.9440, 27.0847

Details

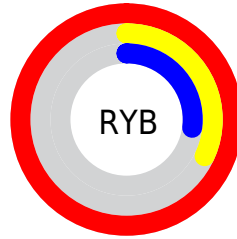
The XYZ color **45.2566, 27.5745, 8.5674** is a dark color, and the websafe version is hex **FF3333**. The color can be described as middle washed red. A complement of this color would be **52.5515, 72.5797, 105.8466**, and the grayscale version is **21.8910, 23.0311, 25.0808**.

A 20% lighter version of the original color is **53.7426, 41.0332, 22.2272**, and **21.4001, 11.0131, 1.8620** is the 20% darker color. If you saturate the color by 10%, you get **43.1560, 24.3799, 4.7652**, and if you desaturate by 10%, it is **48.3205, 32.1527, 14.3673**.

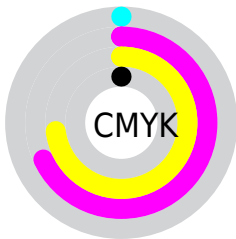
Distribution



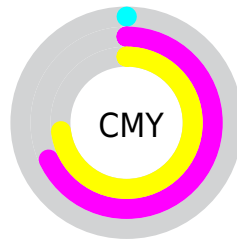
- Red (100%)
- Green (32%)
- Blue (27%)



- Red (100%)
- Yellow (32%)
- Blue (27%)



- Cyan (0%)
- Magenta (68%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2566, 27.5745, 8.5674 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 45.2566, 27.5745, 8.5674 by changing the saturation by 10% instead.


 45.2566, 27.5745,
8.5674


 45.2566, 27.5745,
8.5674


358.5780,
290.4281, 190.2148


 31.8617, 18.0052,
4.3672


 82.3400, 55.8044,
23.6278

 21.4109, 10.9537,
1.8289


 106.7593, 75.2337,
35.3250


 13.5389, 6.0357,
0.4469


 135.5841, 98.7185,
50.3583

 7.8802, 2.8668,
0.0000

 169.1797,
126.6432, 69.1462

 4.0696, 1.0626,
0.0000

 207.9116,
159.3920, 92.1072

 1.7416, 0.0000,
0.0000

252.1450,

 0.4821, 0.0000,

197.3496, 119.6600

0.0000

302.2454,
240.9001, 152.2230

■ 0.0000, 0.0000,
0.0000

■ 45.2566, 27.5745,
8.5674

■ 45.2566, 27.5745,
8.5674

■ 43.1560, 24.3799,
4.7652

■ 48.3205, 32.1527,
14.3673

■ 41.9013, 22.4082,
2.6891

■ 52.4431, 38.2423,
22.3871

■ 41.4320, 21.6444,
1.9941

■ 57.7105, 45.9621,
32.8210

■ 64.1993, 55.4177,
45.8416

■ 71.9794, 66.7058,
61.6057

81.1157, 79.9159,
80.2578

91.6684, 95.1317,
101.9322

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.



50.1261, 27.5745, 26.0497



45.2566, 27.5745, 8.5674



35.3262, 27.5745, 2.8185

Triad

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



45.2566, 27.5745, 8.5674



12.5234, 27.5745, 12.0888



27.6897, 27.5745, 123.7223

Complementary

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



45.2566, 27.5745, 8.5674



52.5515, 72.5797, 105.8466

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.



18.8128, 27.5745, 110.8384



45.2566, 27.5745, 8.5674



11.4466, 27.5745, 34.3832

Square

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



45.2566, 27.5745, 8.5674



16.8653, 27.5745, 3.7690



13.4331, 27.5745, 72.5070



38.4889, 27.5745, 101.1872

Rectangle

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



45.2566, 27.5745, 8.5674



28.1158, 27.5745, 1.8917



13.4331, 27.5745, 72.5070



24.3899, 27.5745, 123.4593

Sweetspot

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



45.2572, 27.5761, 8.5678



72.7805, 67.8656, 63.2354



59.9563, 32.1516, 89.9928



15.0910, 13.8205, 12.5445



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.



45.2572, 27.5761, 8.5678



42.4239, 23.2405, 3.5187



56.9336, 50.9289, 12.4600



18.1035, 18.1752, 18.6983



21.6845, 11.3803, 1.0537



2.1428, 1.1710, 0.1131

Inverse Universe

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



52.5515, 72.5797, 105.8466



49.9135, 70.1260, 105.5127



31.8465, 31.1697, 98.9450



18.4485, 20.2687, 23.1898



25.5317, 35.9729, 55.0324



2.5150, 3.5608, 5.3680

Previews

White Background



This preview shows how the XYZ color 45.2566, 27.5745, 8.5674 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 45.2566, 27.5745, 8.5674 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 45.2566, 27.5745, 8.5674

Background



This preview shows how black text looks on a background with the XYZ color 45.2566, 27.5745, 8.5674.



This preview shows how white text looks on a background with the XYZ color 45.2566, 27.5745,

8.5674.

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

45.2566, 27.5745, 8.5674

Protanopia

25.7233, 27.8528, 13.6932

Deuteranopia

28.1583, 27.4975, 7.8264



Tritanopia

45.7089, 27.6374, 11.3129

Trichromacy



Original Color

45.2566, 27.5745, 8.5674

Protanomaly

30.3527, 25.6214, 11.3283

Deuteranomaly

32.8470, 26.1040, 7.8648

Tritanomaly

45.5199, 27.5618, 10.3179

Monochromacy



Original Color

45.2566, 27.5745, 8.5674

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

26.7969, 22.2615, 17.3525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2566, 27.5745, 8.5674 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, 81, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 69)  
}
```

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, 81, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 69) }
```

Border

The CSS property to change the border of an element to XYZ 45.2566, 27.5745, 8.5674 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, 81, 69) }
```


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

```
.border{ border-color:rgb(255, 81, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 81, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2566, 27.5745, 8.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 69) }
```

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

```
.background{ background-color: rgb(255, 81,  
69) }
```

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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