

Converting Colors

XYZ(45.1370, 27.5663, 7.8152)

Have a look what the booklet for
XYZ(45.1370, 27.5663, 7.8152)
contains.

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Color

**XYZ(45.1078, 27.5150,
7.7840)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5140
RGB	255, 81, 64
RGB Percent	100%, 32%, 25%
CMY	0.0000, 0.6823, 0.7490
CMYK	0.00, 0.68, 0.75, 0.00
HSL	5°, 100%, 63%
HSV	5°, 75%, 100%
XYZ	45.1078, 27.5150, 7.7840
YIQ	131.0880, 109.1610, 31.6010

Conversions

Conversions Part 2

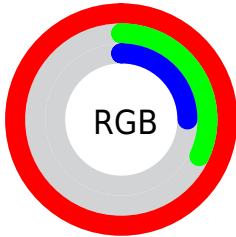
Format	Color
R_YB	255, 83, 64
Decimal	16732480
CIE Lab	59.45, 64.80, 47.08
CIE LCh	59, 80.097, 35.997
Yxy	27.5150, 0.5610, 0.3422
Android (android.graphics.Color)	4294922560 (0xFFFF5140)
YUV	131.0880, -33.0744, 108.6708
Hunter-Lab	52.4547, 61.7030, 27.9200

Details

The XYZ color **45.1078, 27.5150, 7.7840** 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 **50.7355, 69.4523, 105.3386**, and the grayscale version is **21.6936, 22.8233, 24.8546**.

A 20% lighter version of the original color is **53.4533, 40.9175, 20.7034**, and **21.3444, 10.9908, 1.5687** is the 20% darker color. If you saturate the color by 10%, you get **43.0998, 24.4073, 4.3159**, and if you desaturate by 10%, it is **48.0385, 31.9387, 13.1948**.

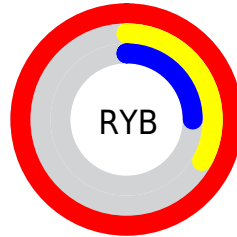
Distribution



Red (100%)

Green (32%)

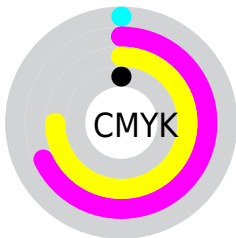
Blue (25%)



Red (100%)

Yellow (33%)

Blue (25%)

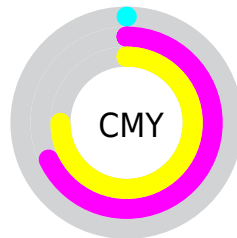


Cyan (0%)

Magenta (68%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (68%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1078, 27.5150, 7.7840 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 45.1078, 27.5150, 7.7840 by changing the saturation by 10% instead.


 45.1078, 27.5150,
7.7840


 45.1078, 27.5150,
7.7840


357.9863,
290.1421, 183.8988


 31.7440, 17.9604,
3.8713


 82.1182, 55.7092,
22.0730


 21.3206, 10.9215,
1.5550


 106.4955, 75.1175,
33.2864

 13.4724, 6.0141,
0.2584


 135.2747, 98.5792,
47.7704

 7.8338, 2.8537,
0.0000

 168.8212,
126.4787, 65.9436

 4.0397, 1.0558,
0.0000

 207.5002,
159.2003, 88.2245

 1.7246, 0.0000,
0.0000

 251.6771,

 0.4716, 0.0000,

197.1285, 115.0316

0.0000

301.7174,
240.6476, 146.7835

■ 0.0000, 0.0000,
0.0000

■ 45.1078, 27.5150,
7.7840

■ 45.1078, 27.5150,
7.7840

■ 43.0998, 24.4073,
4.3159

■ 48.0385, 31.9387,
13.1948

■ 41.9003, 22.4649,
2.5086


■ 51.9844, 37.7980,
20.7758


■ 41.5403, 21.8612,
2.0302

■ 57.0284, 45.2043,
30.7246

■ 63.2447, 54.2570,
43.2161

■ 70.7005, 65.0469,
58.4086

 79.4585, 77.6583,
76.4477

 89.5765, 92.1699,
97.4685

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.



50.4615, 27.5150, 24.5411



45.1078, 27.5150, 7.7840



34.8264, 27.5150, 2.5089

Triad

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



45.1078, 27.5150, 7.7840



12.1736, 27.5150, 12.6153



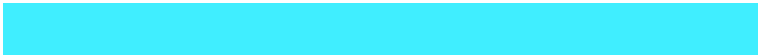
28.2235, 27.5150, 125.5800

Complementary

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



45.1078, 27.5150, 7.7840



50.7355, 69.4523, 105.3386

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.



19.0530, 27.5150, 114.2831



45.1078, 27.5150, 7.7840



11.2575, 27.5150, 36.1211

Square

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



45.1078, 27.5150, 7.7840



16.3597, 27.5150, 3.7864



13.4269, 27.5150, 75.6767



39.2328, 27.5150, 100.7402

Rectangle

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



45.1078, 27.5150, 7.7840



27.5244, 27.5150, 1.7199



13.4269, 27.5150, 75.6767



24.8264, 27.5150, 126.0170

Sweetspot

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



45.1084, 27.5166, 7.7844



73.1054, 68.5154, 63.3437



58.6653, 31.1636, 84.6485



15.1659, 13.9703, 12.5694



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.



45.1084, 27.5166, 7.7844



42.3956, 23.2816, 3.2075



57.5763, 52.4524, 11.9404



18.1394, 18.2470, 18.7103



21.7498, 11.5107, 1.0755



2.1598, 1.2049, 0.1187

Inverse Universe

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



50.7355, 69.4523, 105.3386



48.0459, 66.5983, 104.9302



30.0746, 28.1306, 98.4516



18.4084, 20.1884, 23.1765



24.6095, 34.1286, 54.7250



2.4350, 3.4007, 5.3413

Previews

White Background



This preview shows how the XYZ color 45.1078, 27.5150, 7.7840 looks on a white background.

Color Contrast Check

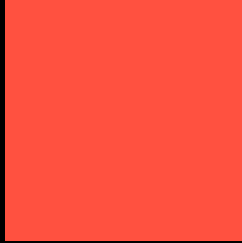
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1078, 27.5150, 7.7840 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 45.1078, 27.5150, 7.7840

Background



This preview shows how black text looks on a background with the XYZ color 45.1078, 27.5150, 7.7840.



This preview shows how white text looks on a background with the XYZ color 45.1078, 27.5150,

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

45.1078, 27.5150, 7.7840

Protanopia

25.3273, 27.4531, 12.3516

Deuteranopia

28.0144, 27.4400, 7.0687



Tritanopia

45.5973, 27.4765, 11.0839

Trichromacy



Original Color

45.1078, 27.5150, 7.7840

Protanomaly

30.0483, 25.3062, 10.3220

Deuteranomaly

32.6913, 26.0417, 7.0449

Tritanomaly

45.4132, 27.5191, 9.7557

Monochromacy



Original Color

45.1078, 27.5150, 7.7840

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

26.4635, 22.1019, 16.7812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1078, 27.5150, 7.7840 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 64) }
```

Border

The CSS property to change the border of an element to XYZ 45.1078, 27.5150, 7.7840 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, 64) }
```


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

```
.border{ border-color:rgb(255, 81, 64) }
```

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, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1078, 27.5150, 7.7840 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, 64) }
```

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

```
.background{ background-color: rgb(255, 81,  
64) }
```

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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