

Converting Colors

XYZ(45.2432, 27.7999, 7.7862)

Have a look what the booklet for
XYZ(45.2432, 27.7999, 7.7862)
contains.

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Color

**XYZ(45.2587, 27.8167,
7.8342)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5340
RGB	255, 83, 64
RGB Percent	100%, 33%, 25%
CMY	0.0000, 0.6745, 0.7490
CMYK	0.00, 0.67, 0.75, 0.00
HSL	6°, 100%, 63%
HSV	6°, 75%, 100%
XYZ	45.2587, 27.8167, 7.8342
YIQ	132.2620, 108.6110, 30.5550

Conversions

Conversions Part 2

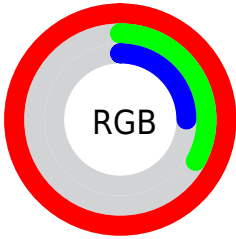
Format	Color
RYB	255, 85, 64
Decimal	16732992
CIELab	59.72, 64.05, 47.37
CIELCh	60, 79.667, 36.486
Yxy	27.8167, 0.5594, 0.3438
Android (android.graphics.Color)	4294923072 (0xFFFF5340)
YUV	132.2620, -33.6532, 107.6412
Hunter-Lab	52.7415, 60.8772, 28.1122

Details

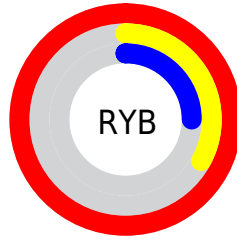
The XYZ color **45.2587, 27.8167, 7.8342** is a dark color, and the websafe version is hex **FF3333**. The color can be described as middle washed red. A complement of this color would be **50.1564, 68.2942, 105.1457**, and the grayscale version is **22.1186, 23.2704, 25.3415**.

A 20% lighter version of the original color is **53.7455, 41.5020, 20.8008**, and **21.3878, 11.0777, 1.5832** is the 20% darker color. If you saturate the color by 10%, you get **43.2162, 24.6400, 4.3546**, and if you desaturate by 10%, it is **48.2153, 32.2922, 13.2536**.

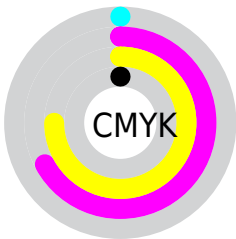
Distribution



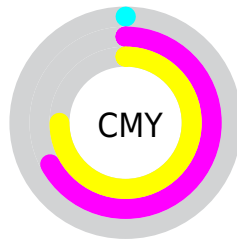
- Red (100%)
- Green (33%)
- Blue (25%)



- Red (100%)
- Yellow (33%)
- Blue (25%)



- Cyan (0%)
- Magenta (67%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2587, 27.8167, 7.8342 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 45.2587, 27.8167, 7.8342 by changing the saturation by 10% instead.


 45.2587, 27.8167,
7.8342


 45.2587, 27.8167,
7.8342


358.5864,
291.5900, 184.3115


 31.8634, 18.1875,
3.9028


 82.3432, 56.1917,
22.1735


 21.4122, 11.0847,
1.5722


 106.7630, 75.7062,
33.4186


 13.5398, 6.1238,
0.2708


 135.5884, 99.2848,
47.9385

 7.8809, 2.9205,
0.0000

 169.1848,
127.3116, 66.1520

 4.0700, 1.0904,
0.0000

 207.9174,
160.1711, 88.4775

 1.7418, 0.0000,
0.0000

 252.1516,

 0.4822, 0.0000,

198.2478, 115.3335

0.0000

302.2528,
241.9259, 147.1387

■ 0.0000, 0.0000,
0.0000

■ 45.2587, 27.8167,
7.8342

■ 45.2587, 27.8167,
7.8342

■ 43.2162, 24.6400,
4.3546

■ 48.2153, 32.2922,
13.2536

■ 41.9767, 22.6175,
2.5340


■ 52.1760, 38.1811,
20.8395


■ 41.5956, 21.9715,
2.0486

■ 57.2219, 45.5912,
30.7889

■ 63.4252, 54.6181,
43.2761

■ 70.8520, 65.3498,
58.4588

 79.5632, 77.8677,
76.4824

 89.6158, 92.2484,
97.4813

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.



50.7172, 27.8167, 24.4461



45.2587, 27.8167, 7.8342



34.9395, 27.8167, 2.5881

Triad

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



45.2587, 27.8167, 7.8342



12.3634, 27.8167, 13.1151



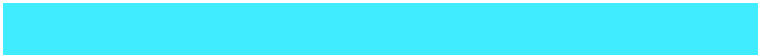
28.6868, 27.8167, 125.5300

Complementary

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



45.2587, 27.8167, 7.8342



50.1564, 68.2942, 105.1457

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.



19.4427, 27.8167, 114.8827



45.2587, 27.8167, 7.8342



11.4910, 27.8167, 36.9927

Square

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



45.2587, 27.8167, 7.8342



16.5170, 27.8167, 4.0034



13.7284, 27.8167, 76.6669



39.7026, 27.8167, 100.3125

Rectangle

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



45.2587, 27.8167, 7.8342



27.6433, 27.8167, 1.8096



13.7284, 27.8167, 76.6669



25.2701, 27.8167, 126.1779

Sweetspot

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



45.2593, 27.8183, 7.8346



73.2453, 68.7950, 63.3903



58.6654, 31.1636, 84.6486



15.1981, 14.0349, 12.5802



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.



45.2593, 27.8183, 7.8346



42.4920, 23.4744, 3.2397



57.5764, 52.4524, 11.9403



18.1548, 18.2777, 18.7154



21.7823, 11.5758, 1.0863



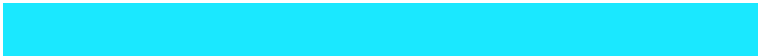
2.1670, 1.2194, 0.1211

Inverse Universe

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



50.1564, 68.2942, 105.1457



47.3641, 65.2347, 104.7029



30.0746, 28.1305, 98.4518



18.3913, 20.1541, 23.1708



24.2248, 33.3592, 54.5968



2.4015, 3.3338, 5.3302

Previews

White Background



This preview shows how the XYZ color 45.2587, 27.8167, 7.8342 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



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 45.2587, 27.8167, 7.8342

Background



This preview shows how black text looks on a background with the XYZ color 45.2587, 27.8167, 7.8342.



This preview shows how white text looks on a background with the XYZ color 45.2587, 27.8167,

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

45.2587, 27.8167, 7.8342

Protanopia

25.6351, 27.8402, 12.2062

Deuteranopia

28.3879, 27.8426, 7.1268



Tritanopia

45.8221, 27.8007, 11.5453

Trichromacy



Original Color

45.2587, 27.8167, 7.8342

Protanomaly

30.2564, 25.7783, 10.2185

Deuteranomaly

32.8072, 26.2735, 7.0835

Tritanomaly

45.5968, 27.8304, 9.9898

Monochromacy



Original Color

45.2587, 27.8167, 7.8342

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

26.8026, 22.4433, 16.8293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2587, 27.8167, 7.8342 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, 83, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 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, 83, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 64) }
```

Border

The CSS property to change the border of an element to XYZ 45.2587, 27.8167, 7.8342 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, 83, 64) }
```


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

```
.border{ border-color:rgb(255, 83, 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, 83, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2587, 27.8167, 7.8342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 64) }
```

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

```
.background{ background-color: rgb(255, 83,  
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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