

Converting Colors

XYZ(45.2779, 28.0728, 7.1698)

Have a look what the booklet for
XYZ(45.2779, 28.0728, 7.1698)
contains.

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Color

**XYZ(45.2779, 28.0728,
7.1698)**

Conversions

Conversions Part 1

Format	Color
Hex	FF553B
RGB	255, 85, 59
RGB Percent	100%, 33%, 23%
CMY	0.0000, 0.6666, 0.7686
CMYK	0.00, 0.67, 0.77, 0.00
HSL	8°, 100%, 62%
HSV	8°, 77%, 100%
XYZ	45.2779, 28.0728, 7.1698
YIQ	132.8660, 109.6660, 27.9540

Conversions

Conversions Part 2

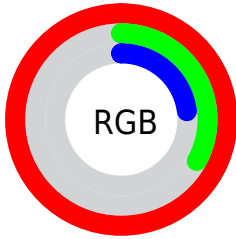
Format	Color
R_{YB}	255, 89, 59
Decimal	16733499
CIE _{Lab}	59.95, 63.11, 50.19
CIE _{LCh}	60, 80.635, 38.497
Yxy	28.0728, 0.5623, 0.3486
Android (android.graphics.Color)	4294923579 (0xFFFF553B)
YUV	132.8660, -36.4159, 107.1115
Hunter-Lab	52.9838, 59.8177, 29.0655

Details

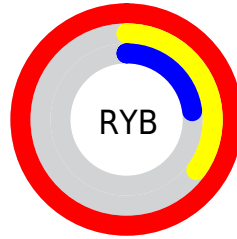
The XYZ color **45.2779, 28.0728, 7.1698** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **47.8696, 64.1818, 104.4723**, and the grayscale version is **22.3475, 23.5113, 25.6038**.

A 20% lighter version of the original color is **53.6198, 41.6887, 19.4080**, and **21.4271, 11.2343, 1.3557** is the 20% darker color. If you saturate the color by 10%, you get **43.2930, 24.9160, 4.0034**, and if you desaturate by 10%, it is **48.1306, 32.4498, 12.2174**.

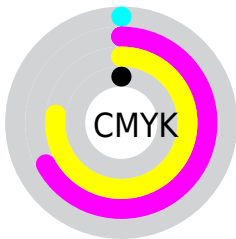
Distribution



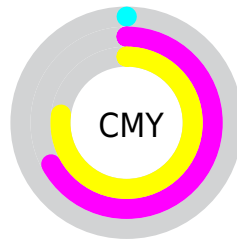
- Red (100%)
- Green (33%)
- Blue (23%)



- Red (100%)
- Yellow (35%)
- Blue (23%)



- Cyan (0%)
- Magenta (67%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2779, 28.0728, 7.1698 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 45.2779, 28.0728, 7.1698 by changing the saturation by 10% instead.


 45.2779, 28.0728,
7.1698


 45.2779, 28.0728,
7.1698

358.6627,
292.8146, 178.7514


 31.8786, 18.3805,
3.4885


 82.3718, 56.6006,
20.8327


 21.4239, 11.2235,
1.3491


 106.7970, 76.2050,
31.6513

 13.5484, 6.2174,
0.1016


 135.6283, 99.8822,
45.6860

 7.8869, 2.9777,
0.0000

 169.2310,
128.0167, 63.3555

 4.0738, 1.1201,
0.0000

 207.9704,
160.9928, 85.0783

 1.7440, 0.0000,
0.0000

 252.2120,

 0.4836, 0.0000,

199.1948, 111.2728

0.0000

302.3209,
243.0073, 142.3576

■ 0.0000, 0.0000,
0.0000

■ 45.2779, 28.0728,
7.1698

■ 45.2779, 28.0728,
7.1698

■ 43.2930, 24.9160,
4.0034

■ 48.1306, 32.4498,
12.2174

■ 42.0689, 22.8481,
2.4226


■ 51.9365, 38.1503,
19.3784


■ 41.8072, 22.3948,
2.1191

■ 56.7727, 45.2722,
28.8530

■ 62.7075, 53.9027,
40.8176

■ 69.8036, 64.1218,
55.4314

 78.1187, 76.0041,
72.8404

 87.7067, 89.6192,
93.1800

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.



51.3168, 28.0728, 22.9598



45.2779, 28.0728, 7.1698



34.5812, 28.0728, 2.3817

Triad

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



45.2779, 28.0728, 7.1698



12.2216, 28.0728, 14.1896



29.7027, 28.0728, 127.3213

Complementary

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



45.2779, 28.0728, 7.1698



47.8696, 64.1818, 104.4723

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.



20.0884, 28.0728, 118.9423



45.2779, 28.0728, 7.1698



11.5475, 28.0728, 39.6912

Square

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



45.2779, 28.0728, 7.1698



16.1955, 28.0728, 4.2508



14.0355, 28.0728, 80.9054



40.9322, 28.0728, 99.4737

Rectangle

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



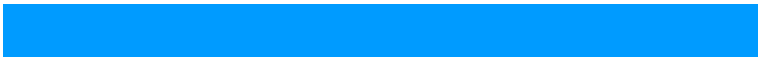
45.2779, 28.0728, 7.1698



27.2029, 28.0728, 1.7371



14.0355, 28.0728, 80.9054



26.1685, 28.0728, 128.8817

Sweetspot

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



45.2785, 28.0744, 7.1702



72.8683, 68.5107, 61.8170



57.3880, 30.2216, 79.2514



14.9822, 13.7839, 11.9504



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.



45.2785, 28.0744, 7.1702



42.5771, 23.7265, 3.0163



58.3234, 54.1642, 11.5185



18.2037, 18.3755, 18.7317



21.9046, 11.8205, 1.1271



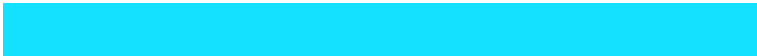
2.1900, 1.2653, 0.1288

Inverse Universe

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



47.8696, 64.1818, 104.4723



44.9664, 60.6124, 103.9371



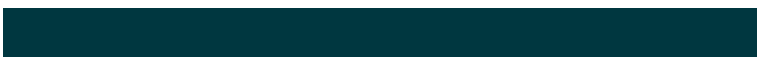
28.3971, 25.2369, 97.9815



18.3372, 20.0459, 23.1527



23.0440, 30.9975, 54.2032



2.2983, 3.1273, 5.2958

Previews

White Background



This preview shows how the XYZ color 45.2779, 28.0728, 7.1698 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 45.2779, 28.0728, 7.1698 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 45.2779, 28.0728, 7.1698

Background



This preview shows how black text looks on a background with the XYZ color 45.2779, 28.0728, 7.1698.



This preview shows how white text looks on a background with the XYZ color 45.2779, 28.0728,

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

45.2779, 28.0728, 7.1698

Protanopia

25.9622, 28.2602, 11.1076

Deuteranopia

28.4949, 27.9123, 6.4705



Tritanopia

46.0536, 28.1346, 12.0201

Trichromacy



Original Color

45.2779, 28.0728, 7.1698

Protanomaly

30.6941, 26.2102, 9.2357

Deuteranomaly

33.0884, 26.6058, 6.5234

Tritanomaly

45.7499, 28.1365, 10.0408

Monochromacy



Original Color

45.2779, 28.0728, 7.1698

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

26.9784, 22.8785, 16.6297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2779, 28.0728, 7.1698 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, 85, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 59)  
}
```

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, 85, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 59) }
```

Border

The CSS property to change the border of an element to XYZ 45.2779, 28.0728, 7.1698 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, 85, 59) }
```


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

```
.border{ border-color:rgb(255, 85, 59) }
```

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

Here you see how a box with a 4 pixel rgb(255, 85, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2779, 28.0728, 7.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 59) }
```

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

```
.background{ background-color: rgb(255, 85,  
59) }
```

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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