

Converting Colors

XYZ(53.3319, 32.3726, 7.8885)

Have a look what the booklet for
XYZ(53.3319, 32.3726, 7.8885)
contains.

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Color

**XYZ(45.4101, 28.2525,
7.4748)**

Conversions

Conversions Part 1

Format	Color
Hex	FF563D
RGB	255, 86, 61
RGB Percent	100%, 34%, 24%
CMY	0.0000, 0.6627, 0.7608
CMYK	0.00, 0.66, 0.76, 0.00
HSL	8°, 100%, 62%
HSV	8°, 76%, 100%
XYZ	45.4101, 28.2525, 7.4748
YIQ	133.6810, 108.7490, 28.0530

Conversions

Conversions Part 2

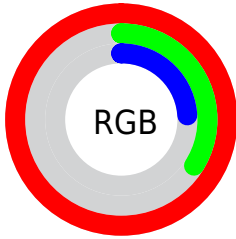
Format	Color
R_{YB}	255, 90, 61
Decimal	16733757
CIE _{Lab}	60.12, 62.79, 49.34
CIE _{LCh}	60, 79.859, 38.161
Yxy	28.2525, 0.5597, 0.3482
Android (android.graphics.Color)	4294923837 (0xFFFF563D)
YUV	133.6810, -35.8317, 106.3968
Hunter-Lab	53.1531, 59.4794, 28.8693

Details

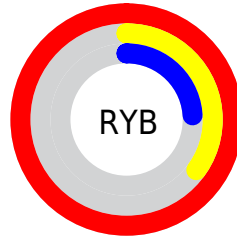
The XYZ color **45.4101, 28.2525, 7.4748** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **48.2682, 64.7997, 104.5707**, and the grayscale version is **22.6437, 23.8230, 25.9432**.

A 20% lighter version of the original color is **53.8769, 42.0307, 20.0250**, and **21.4853, 11.3205, 1.4681** is the 20% darker color. If you saturate the color by 10%, you get **43.3726, 25.0283, 4.1744**, and if you desaturate by 10%, it is **48.3259, 32.7122, 12.6774**.

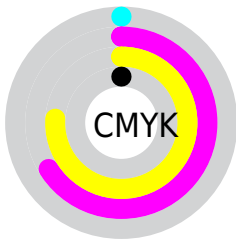
Distribution



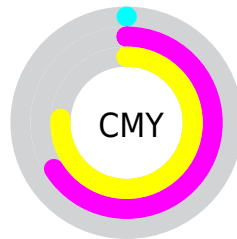
- Red (100%)
- Green (34%)
- Blue (24%)



- Red (100%)
- Yellow (35%)
- Blue (24%)



- Cyan (0%)
- Magenta (66%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4101, 28.2525, 7.4748 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 45.4101, 28.2525, 7.4748 by changing the saturation by 10% instead.


 45.4101, 28.2525,
7.4748


 45.4101, 28.2525,
7.4748

359.1878,
293.6715, 181.3305

 31.9832, 18.5161,
3.6779


 82.5688, 56.8873,
21.4511

 21.5042, 11.3211,
1.4503


 107.0312, 76.5545,
32.4676


 13.6076, 6.2833,
0.1805


 135.9030,
100.3008, 46.7276

 7.9281, 3.0181,
0.0000

 169.5493,
128.5104, 64.6498

 4.1004, 1.1412,
0.0000

 208.3356,
161.5680, 86.6526

 1.7591, 0.0129,
0.0000

 252.6272,

 0.4928, 0.0000,

199.8577, 113.1547

0.0000

302.7895,
243.7641, 144.5745

■ 0.0000, 0.0000,
0.0000

■ 45.4101, 28.2525,
7.4748

■ 45.4101, 28.2525,
7.4748

■ 43.3726, 25.0283,
4.1744

■ 48.3259, 32.7122,
12.6774

■ 42.1079, 22.9085,
2.4897

■ 52.2052, 38.5113,
20.0115

■ 41.7801, 22.3406,
2.1101

■ 57.1249, 45.7480,
29.6752

■ 63.1536, 54.5102,
41.8437

■ 70.3539, 64.8783,
56.6752

78.7837, 76.9275,
74.3150

88.4969, 90.7278,
94.8976

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.



51.3157, 28.2525, 23.4591



45.4101, 28.2525, 7.4748



34.8281, 28.2525, 2.5348

Triad

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



45.4101, 28.2525, 7.4748



12.4544, 28.2525, 14.2436



29.7340, 28.2525, 126.5591

Complementary

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



45.4101, 28.2525, 7.4748



48.2682, 64.7997, 104.5707

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.



20.1992, 28.2525, 117.8777



45.4101, 28.2525, 7.4748



11.7441, 28.2525, 39.4425

Square

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



45.4101, 28.2525, 7.4748



16.4682, 28.2525, 4.3638



14.1978, 28.2525, 80.1418



40.8823, 28.2525, 99.4144

Rectangle

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



45.4101, 28.2525, 7.4748



27.4874, 28.2525, 1.8501



14.1978, 28.2525, 80.1418



26.2288, 28.2525, 127.9501

Sweetspot

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



45.4107, 28.2542, 7.4752



72.8154, 68.4050, 61.7994



57.5261, 30.4445, 79.4613



14.9698, 13.7591, 11.9462



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.



45.4107, 28.2542, 7.4752



42.6611, 23.8556, 3.1641



58.5315, 54.4956, 11.8488



18.1981, 18.3643, 18.7299



21.8891, 11.7894, 1.1219



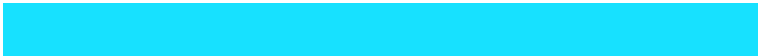
2.1873, 1.2600, 0.1279

Inverse Universe

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



48.2682, 64.7997, 104.5707



45.3503, 61.2977, 104.0492



28.6897, 25.6427, 98.0445



18.3433, 20.0583, 23.1548



23.1760, 31.2616, 54.2472



2.3099, 3.1505, 5.2996

Previews

White Background



This preview shows how the XYZ color 45.4101, 28.2525, 7.4748 looks on a white background.

Color Contrast Check

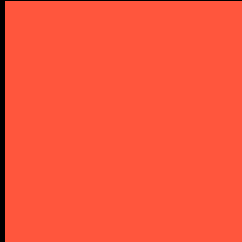
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4101, 28.2525, 7.4748 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 45.4101, 28.2525, 7.4748

Background



This preview shows how black text looks on a background with the XYZ color 45.4101, 28.2525, 7.4748.



This preview shows how white text looks on a background with the XYZ color 45.4101, 28.2525,

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

45.4101, 28.2525, 7.4748

Protanopia

26.0339, 28.2889, 11.4853

Deuteranopia

28.9343, 28.3438, 6.8516



Tritanopia

46.1718, 28.3052, 12.2625

Trichromacy



Original Color

45.4101, 28.2525, 7.4748

Protanomaly

30.8830, 26.4853, 9.6153

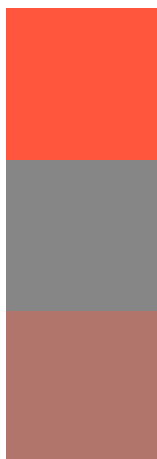
Deuteranomaly

33.5339, 27.0060, 6.8134

Tritanomaly

45.8636, 28.3071, 10.2543

Monochromacy



Original Color

45.4101, 28.2525, 7.4748

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

27.3752, 23.2491, 16.9546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4101, 28.2525, 7.4748 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, 86, 61)` looks like.

```
.text, #text, p{  
  color:rgb(255, 86, 61)  
}
```

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, 86, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 61) }
```

Border

The CSS property to change the border of an element to XYZ 45.4101, 28.2525, 7.4748 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, 86, 61) }
```


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

```
.border{ border-color:rgb(255, 86, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 86, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4101, 28.2525, 7.4748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 61) }
```

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

```
.background{ background-color: rgb(255, 86,  
61) }
```

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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