

Converting Colors

XYZ(45.2625, 28.6652, 5.2579)

Have a look what the booklet for
XYZ(45.2625, 28.6652, 5.2579)
contains.

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Color

**XYZ(45.2964, 28.7324,
5.2563)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5A29
RGB	255, 90, 41
RGB Percent	100%, 35%, 16%
CMY	0.0000, 0.6470, 0.8392
CMYK	0.00, 0.65, 0.84, 0.00
HSL	14°, 100%, 58%
HSV	14°, 84%, 100%
XYZ	45.2964, 28.7324, 5.2563
YIQ	133.7490, 114.0690, 19.7410

Conversions

Conversions Part 2

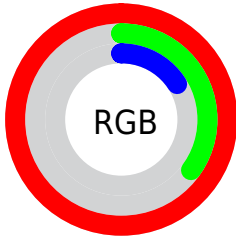
Format	Color
R_YB	255, 105, 41
Decimal	16734761
CIE _{Lab}	60.54, 60.62, 59.15
CIE _{LCh}	61, 84.695, 44.298
Yxy	28.7324, 0.5713, 0.3624
Android (android.graphics.Color)	4294924841 (0xFFFF5A29)
YUV	133.7490, -45.7253, 106.3371
Hunter-Lab	53.6026, 57.0352, 31.7078

Details

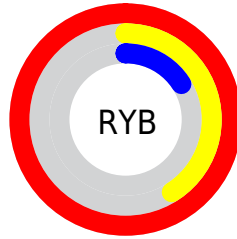
The XYZ color **45.2964, 28.7324, 5.2563** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **41.0332, 51.8291, 102.4484**, and the grayscale version is **22.7024, 23.8847, 26.0104**.

A 20% lighter version of the original color is **53.6055, 42.9001, 15.5805**, and **21.5828, 11.6424, 1.1097** is the 20% darker color. If you saturate the color by 10%, you get **43.5417, 25.7201, 3.1405**, and if you desaturate by 10%, it is **47.7784, 32.7400, 9.0333**.

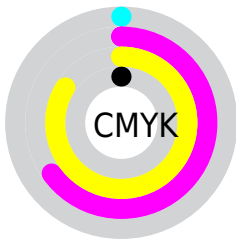
Distribution



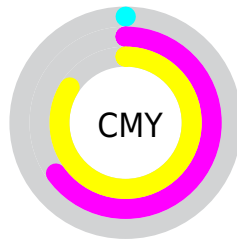
- Red (100%)
- Green (35%)
- Blue (16%)



- Red (100%)
- Yellow (41%)
- Blue (16%)



- Cyan (0%)
- Magenta (65%)
- Yellow (84%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2964, 28.7324, 5.2563 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 45.2964, 28.7324, 5.2563 by changing the saturation by 10% instead.


 45.2964, 28.7324,
5.2563


 45.2964, 28.7324,
5.2563


358.7362,
295.9502, 161.3057


 31.8932, 18.8785,
2.3371


 82.3993, 57.6516,
16.8168

 21.4351, 11.5825,
0.7519

 106.8298, 77.4858,
26.2950

 13.5567, 6.4601,
0.0000


 135.6668,
101.4154, 38.7968

 7.8926, 3.1268,
0.0000

 169.2756,
129.8250, 54.7405

 4.0775, 1.1983,
0.0000

 208.0216,
163.0988, 74.5447

 1.7461, 0.0603,
0.0000

 252.2701,

 0.4849, 0.0000,

201.6214, 98.6279

0.0000

302.3865,
245.7771, 127.4088

■ 0.0000, 0.0000,
0.0000

■ 45.2964, 28.7324,
5.2563

■ 45.2964, 28.7324,
5.2563

■ 43.5417, 25.7201,
3.1405

■ 47.7784, 32.7400,
9.0333

■ 42.7730, 24.3264,
2.4411

■ 51.0654, 37.8203,
14.7341

■ 55.2261, 44.0479,
22.5758

■ 60.3207, 51.4891,
32.7461

■ 66.4040, 60.2050,
45.4117

73.5261, 70.2523,
60.7242

81.7338, 81.6844,
78.8228

91.0709, 94.5518,
99.8370

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.



53.1787, 28.7324, 18.6425



45.2964, 28.7324, 5.2563



33.4055, 28.7324, 1.7465

Triad

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



45.2964, 28.7324, 5.2563



11.6542, 28.7324, 17.6514



32.8396, 28.7324, 133.4707

Complementary

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



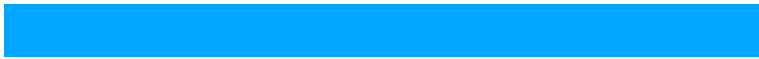
45.2964, 28.7324, 5.2563



41.0332, 51.8291, 102.4484

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.



22.0039, 28.7324, 132.4688



45.2964, 28.7324, 5.2563



11.5788, 28.7324, 48.6422

Square

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



45.2964, 28.7324, 5.2563



15.0972, 28.7324, 4.9450



14.8531, 28.7324, 95.0203



44.7879, 28.7324, 97.2252

Rectangle

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



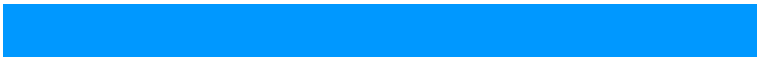
45.2964, 28.7324, 5.2563



25.7632, 28.7324, 1.4602



14.8531, 28.7324, 95.0203



28.9160, 28.7324, 137.9829

Sweetspot

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



45.2970, 28.7341, 5.2567



72.7067, 69.1030, 58.9407



53.4959, 27.4311, 62.5588



15.0094, 14.0132, 11.4201



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.



45.2970, 28.7341, 5.2567



42.7733, 24.3266, 2.4411



61.0134, 60.1668, 10.4955



18.3468, 18.6618, 18.7794



22.4420, 12.8953, 1.3062



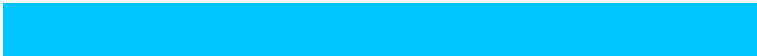
2.2634, 1.4121, 0.1533

Inverse Universe

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



41.0332, 51.8291, 102.4484



37.9256, 46.9712, 101.6752



23.6798, 17.1223, 96.6639



18.1814, 19.7344, 23.1008



19.9354, 24.7804, 53.1670



2.0229, 2.5765, 5.2040

Previews

White Background



This preview shows how the XYZ color 45.2964, 28.7324, 5.2563 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 45.2964, 28.7324, 5.2563 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 45.2964, 28.7324, 5.2563

Background



This preview shows how black text looks on a background with the XYZ color 45.2964, 28.7324, 5.2563.



This preview shows how white text looks on a background with the XYZ color 45.2964, 28.7324,

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

45.2964, 28.7324, 5.2563

Protanopia

26.2518, 28.9395, 7.9436

Deuteranopia

29.3665, 28.8300, 4.6788



Tritanopia

46.4561, 28.6709, 12.9831

Trichromacy



Original Color

45.2964, 28.7324, 5.2563

Protanomaly

30.8233, 26.8965, 6.6989

Deuteranomaly

33.6253, 27.4602, 4.6267

Tritanomaly

45.8508, 28.5574, 9.3989

Monochromacy



Original Color

45.2964, 28.7324, 5.2563

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

27.1388, 23.3419, 15.1317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2964, 28.7324, 5.2563 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, 90, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 41)  
}
```

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, 90, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 41) }
```

Border

The CSS property to change the border of an element to XYZ 45.2964, 28.7324, 5.2563 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, 90, 41) }
```


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

```
.border{ border-color:rgb(255, 90, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 90, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2964, 28.7324, 5.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 41) }
```

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

```
.background{ background-color: rgb(255, 90,  
41) }
```

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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