

Converting Colors

XYZ(42.8206, 28.8020, 6.0306)

Have a look what the booklet for
XYZ(42.8206, 28.8020, 6.0306)
contains.

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Color

**XYZ(42.7264, 28.7321,
5.9832)**

Conversions

Conversions Part 1

Format	Color
Hex	F5642F
RGB	245, 100, 47
RGB Percent	96%, 39%, 18%
CMY	0.0392, 0.6078, 0.8157
CMYK	0.00, 0.59, 0.81, 0.04
HSL	16°, 91%, 57%
HSV	16°, 81%, 96%
XYZ	42.7264, 28.7321, 5.9832
YIQ	137.3130, 103.4330, 14.2570

Conversions

Conversions Part 2

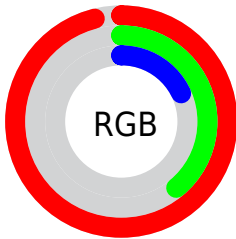
Format	Color
R _Y B	245, 119, 47
Decimal	16081967
CIE Lab	60.54, 53.09, 55.94
CIE LCh	61, 77.119, 46.497
Yxy	28.7321, 0.5517, 0.3710
Android (android.graphics.Color)	4294272047 (0xFFFF5642F)
YUV	137.3130, -44.5243, 94.4415
Hunter-Lab	53.6023, 48.4782, 30.9036

Details

The XYZ color **42.7264, 28.7321, 5.9832** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **36.5012, 44.8920, 93.1266**, and the grayscale version is **24.0336, 25.2852, 27.5356**.

A 20% lighter version of the original color is **55.1190, 45.5658, 17.1992**, and **19.9567, 11.6251, 1.1920** is the 20% darker color. If you saturate the color by 10%, you get **40.8280, 25.5172, 3.5581**, and if you desaturate by 10%, it is **45.2819, 32.8189, 9.9940**.

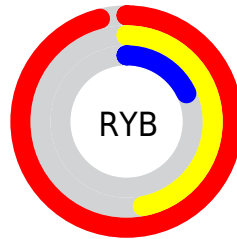
Distribution



Red (96%)

Green (39%)

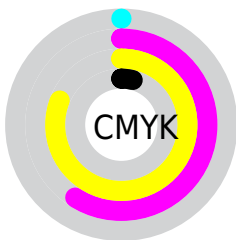
Blue (18%)



Red (96%)

Yellow (47%)

Blue (18%)

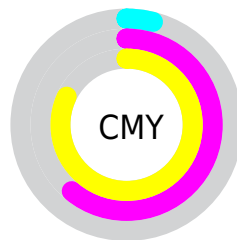


Cyan (0%)

Magenta (59%)

Yellow (81%)

Black (4%)



Cyan (4%)


Magenta (61%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7264, 28.7321, 5.9832 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 42.7264, 28.7321, 5.9832 by changing the saturation by 10% instead.


 42.7264, 28.7321,
5.9832


 42.7264, 28.7321,
5.9832


348.4260,
295.9488, 168.2220

 29.8641, 18.8783,
2.7662


 78.5561, 57.6512,
18.3731

 19.8830, 11.5823,
0.9766


 102.2542, 77.4852,
28.3831

 12.4178, 6.4600,
0.0000


 130.2950,
101.4147, 41.4945

 7.1031, 3.1267,
0.0000

 163.0438,
129.8241, 58.1259

 3.5736, 1.1983,
0.0000

 200.8659,
163.0979, 78.6958

 1.4638, 0.0603,
0.0000

 244.1267,

 0.3010, 0.0000,

201.6203, 103.6228

0.0000

293.1917,
245.7758, 133.3253

■ 0.0000, 0.0000,
0.0000

■ 42.7264, 28.7321,
5.9832

■ 42.7264, 28.7321,
5.9832

■ 40.8280, 25.5172,
3.5581

■ 45.2819, 32.8189,
9.9940


■ 39.5803, 23.2612,
2.4037


■ 48.5560, 37.8345,
15.8102


■ 52.6043, 43.8363,
23.6178


■ 57.4760, 50.8752,
33.5790

■ 63.2158, 58.9986,
45.8391

 69.8651, 68.2506,
60.5307

 77.4626, 78.6731,
77.7763

 86.0446, 90.3056,
97.6901

 91.4658, 98.1523,
108.7323

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.0929, 28.7321, 18.1522



42.7264, 28.7321, 5.9832



32.0289, 28.7321, 2.5187

Triad

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



42.7264, 28.7321, 5.9832



12.6001, 28.7321, 20.1464



33.1157, 28.7321, 118.8360

Complementary

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



42.7264, 28.7321, 5.9832



36.5012, 44.8920, 93.1266

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.



23.0772, 28.7321, 120.6505



42.7264, 28.7321, 5.9832



12.7554, 28.7321, 49.5848

Square

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



42.7264, 28.7321, 5.9832



15.6409, 28.7321, 6.6812



16.1339, 28.7321, 90.3068



43.6869, 28.7321, 86.2614

Rectangle

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



42.7264, 28.7321, 5.9832



25.1991, 28.7321, 2.3079



16.1339, 28.7321, 90.3068



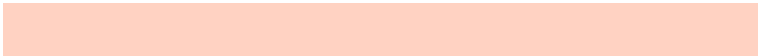
29.5336, 28.7321, 123.5354

Sweetspot

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



42.7270, 28.7337, 5.9837



74.0473, 71.3305, 60.7867



48.2089, 25.2600, 52.3200



15.2929, 14.4936, 11.7820



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.



42.7270, 28.7337, 5.9837



43.7221, 26.1571, 2.9641



58.5463, 60.3722, 11.2567



16.8600, 17.2041, 17.2297



21.4198, 12.7251, 1.3273



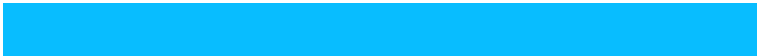
1.9639, 1.2810, 0.1437

Inverse Universe

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



36.5012, 44.8920, 93.1266



36.2958, 43.5695, 101.1045



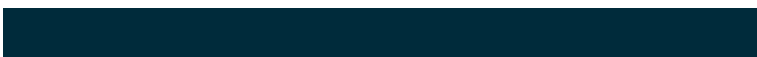
21.5856, 15.0609, 88.1547



16.5995, 17.9633, 21.1349



17.7273, 21.2483, 49.7050



1.6424, 2.0361, 4.3967

Previews

White Background



This preview shows how the XYZ color 42.7264, 28.7321, 5.9832 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 42.7264, 28.7321, 5.9832 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 42.7264, 28.7321, 5.9832

Background



This preview shows how black text looks on a background with the XYZ color 42.7264, 28.7321, 5.9832.



This preview shows how white text looks on a background with the XYZ color 42.7264, 28.7321,

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

42.7264, 28.7321, 5.9832

Protanopia

26.3536, 28.9802, 8.4797

Deuteranopia

29.2885, 28.7711, 5.5231



Tritanopia

44.6607, 28.6997, 15.2423

Trichromacy



Original Color

42.7264, 28.7321, 5.9832

Protanomaly

30.6645, 27.5786, 7.3214

Deuteranomaly

33.1534, 27.9355, 5.5642

Tritanomaly

43.6741, 28.5527, 10.9939

Monochromacy



Original Color

42.7264, 28.7321, 5.9832

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

27.6108, 24.6449, 16.3984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7264, 28.7321, 5.9832 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(245, 100, 47)` looks like.

```
.text, #text, p{  
    color:rgb(245, 100, 47)  
}
```

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(245, 100, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 100, 47) }
```

Border

The CSS property to change the border of an element to XYZ 42.7264, 28.7321, 5.9832 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(245, 100, 47) }
```


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

```
.border{ border-color:rgb(245, 100, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 100, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 100, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 100, 47);  
box-shadow:4px 4px 4px 4px rgb(245, 100,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7264, 28.7321, 5.9832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 100, 47) }
```

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

```
.background{ background-color: rgb(245,  
100, 47) }
```

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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