

Converting Colors

XYZ(42.8672, 27.2200, 2.9946)

Have a look what the booklet for
XYZ(42.8672, 27.2200, 2.9946)
contains.

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Color

**XYZ(42.9141, 27.3034,
3.0083)**

Conversions

Conversions Part 1

Format	Color
Hex	FA5800
RGB	250, 88, 0
RGB Percent	98%, 35%, 0%
CMY	0.0196, 0.6549, 1.0000
CMYK	0.00, 0.65, 1.00, 0.02
HSL	21°, 100%, 49%
HSV	21°, 100%, 98%
XYZ	42.9141, 27.3034, 3.0083
YIQ	126.4060, 124.8000, 6.9760

Conversions

Conversions Part 2

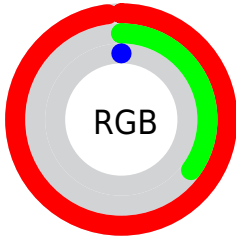
Format	Color
RYB	250, 136, 0
Decimal	16406528
CIELab	59.25, 59.21, 69.29
CIELCh	59, 91.139, 49.484
Yxy	27.3034, 0.5861, 0.3729
Android (android.graphics.Color)	4294596608 (0xFFFA5800)
YUV	126.4060, -62.3182, 108.3919
Hunter-Lab	52.2527, 55.1565, 33.1634

Details

The XYZ color **42.9141, 27.3034, 3.0083** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **30.1748, 32.7412, 95.1712**, and the grayscale version is **20.1473, 21.1966, 23.0830**.

A 20% lighter version of the original color is **52.1966, 41.5999, 10.4328**, and **20.0938, 10.8436, 1.0340** is the 20% darker color. If you saturate the color by 10%, you get **42.9143, 27.3043, 3.0084**, and if you desaturate by 10%, it is **44.5711, 30.3370, 4.4265**.

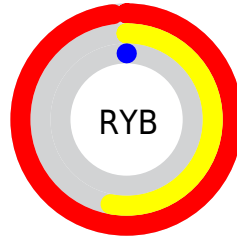
Distribution



Red (98%)

Green (35%)

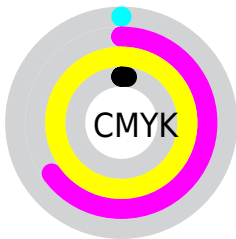
Blue (0%)



Red (98%)

Yellow (53%)

Blue (0%)

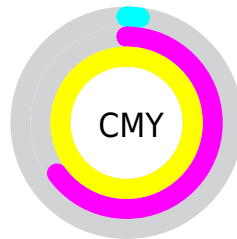


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9141, 27.3034, 3.0083 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 42.9141, 27.3034, 3.0083 by changing the saturation by 10% instead.


 42.9141, 27.3034,
3.0083


 42.9141, 27.3034,
3.0083


349.1859,
289.1231, 136.4663


 30.0120, 17.8012,
1.0989


 78.8377, 55.3703,
11.6489


 19.9958, 10.8074,
0.0000


 102.5899, 74.7039,
19.2172


 12.5002, 5.9375,
0.0000


 130.6895, 98.0834,
29.5088

 7.1599, 2.8071,
0.0000

 163.5019,
125.8931, 42.9423

 3.6095, 1.0319,
0.0000

 201.3923,
158.5176, 59.9363

 1.4837, 0.0000,
0.0000

 244.7263,


 0.3147, 0.0000,


196.3412, 80.9093


0.0000


 293.8690,
239.7482, 106.2797


 0.0000, 0.0000,
0.0000


 42.9141, 27.3034,
3.0083


 42.9141, 27.3034,
3.0083


 42.9143, 27.3043,
3.0084

 44.5711, 30.3370,
4.4265

 46.7657, 34.0857,
7.1327

 49.5844, 38.6121,
11.4972

 53.0844, 43.9636,
17.7461

 57.3154, 50.1832,
26.0695

62.3217, 57.3103,
36.6340

68.1438, 65.3818,
49.5889

74.8191, 74.4323,
65.0706

82.3826, 84.4946,
83.2053

Harmonies

Analogous

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



52.5178, 27.3034, 13.3466



42.9141, 27.3034, 3.0083



30.1517, 27.3034, 0.8777

Triad

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



42.9141, 27.3034, 3.0083



9.8382, 27.3034, 19.6980



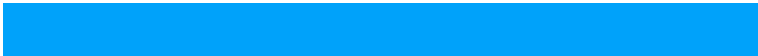
33.9523, 27.3034, 136.5315

Complementary

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



42.9141, 27.3034, 3.0083



30.1748, 32.7412, 95.1712

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.



22.1599, 27.3034, 143.6565



42.9141, 27.3034, 3.0083



10.3092, 27.3034, 55.9021

Square

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



42.9141, 27.3034, 3.0083



12.6207, 27.3034, 4.7769



14.1762, 27.3034, 107.3141



46.3857, 27.3034, 91.8266

Rectangle

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



42.9141, 27.3034, 3.0083



22.5111, 27.3034, 0.8577



14.1762, 27.3034, 107.3141



29.7248, 27.3034, 144.2175

Sweetspot

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



42.9147, 27.3050, 3.0087



71.2605, 68.3631, 51.8227



45.9904, 22.9505, 36.4227



14.6799, 13.8438, 9.8015



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.



42.9147, 27.3050, 3.0087



44.8765, 28.5330, 3.1422



63.0929, 67.6614, 9.7348



17.7444, 18.2247, 18.0449



22.8852, 14.7270, 1.6364



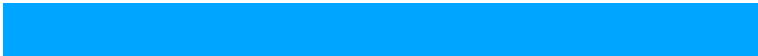
2.2151, 1.5550, 0.1834

Inverse Universe

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



30.1748, 32.7412, 95.1712



31.5473, 34.2146, 99.5491



17.9327, 8.2569, 91.0905



17.2216, 18.5200, 22.0523



16.1458, 17.6473, 50.5288



1.5950, 1.8336, 4.7130

Previews

White Background



This preview shows how the XYZ color 42.9141, 27.3034, 3.0083 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 42.9141, 27.3034, 3.0083 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 42.9141, 27.3034, 3.0083

Background



This preview shows how black text looks on a background with the XYZ color 42.9141, 27.3034, 3.0083.



This preview shows how white text looks on a background with the XYZ color 42.9141, 27.3034,

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

42.9141, 27.3034, 3.0083

Protanopia

24.7069, 27.2966, 4.9439

Deuteranopia

27.8602, 27.4321, 3.8265



Tritanopia

44.8419, 27.4019, 11.7298

Trichromacy



Original Color

42.9141, 27.3034, 3.0083

Protanomaly

29.1765, 25.5438, 3.9230

Deuteranomaly

32.0504, 26.3155, 3.3902

Tritanomaly

43.6436, 27.1257, 6.5499

Monochromacy



Original Color

42.9141, 27.3034, 3.0083

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

24.0367, 20.8255, 10.3423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9141, 27.3034, 3.0083 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(250, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 88, 0)  
}
```

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(250, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.9141, 27.3034, 3.0083 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(250, 88, 0) }
```


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

```
.border{ border-color:rgb(250, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.9141, 27.3034, 3.0083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 88, 0) }
```

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

```
.background{ background-color: rgb(250, 88,  
0) }
```

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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