

Converting Colors

XYZ(42.4435, 27.0289, 4.4017)

Have a look what the booklet for
XYZ(42.4435, 27.0289, 4.4017)
contains.

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Color

**XYZ(42.4756, 27.0457,
4.4205)**

Conversions

Conversions Part 1

Format	Color
Hex	F85821
RGB	248, 88, 33
RGB Percent	97%, 35%, 13%
CMY	0.0275, 0.6549, 0.8706
CMYK	0.00, 0.65, 0.87, 0.03
HSL	15°, 94%, 55%
HSV	15°, 87%, 97%
XYZ	42.4756, 27.0457, 4.4205
YIQ	129.5700, 113.0150, 16.8150

Conversions

Conversions Part 2

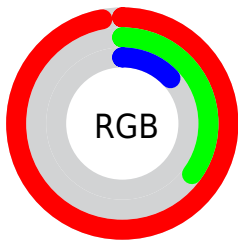
Format	Color
R_{YB}	248, 107, 33
Decimal	16275489
CIE _{Lab}	59.02, 58.92, 60.60
CIE _{LCh}	59, 84.524, 45.804
Yxy	27.0457, 0.5744, 0.3658
Android (android.graphics.Color)	4294465569 (0xFFFF85821)
YUV	129.5700, -47.6090, 103.8631
Hunter-Lab	52.0055, 54.7807, 31.3641

Details

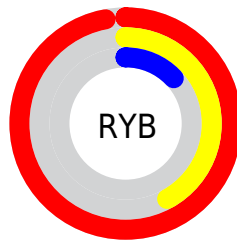
The XYZ color **42.4756, 27.0457, 4.4205** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **36.6383, 45.2365, 95.6066**, and the grayscale version is **21.2023, 22.3065, 24.2918**.

A 20% lighter version of the original color is **52.8135, 41.8466, 13.6811**, and **19.8551, 10.7205, 1.0228** is the 20% darker color. If you saturate the color by 10%, you get **40.9185, 24.2992, 2.7691**, and if you desaturate by 10%, it is **44.6719, 30.6640, 7.5409**.

Distribution



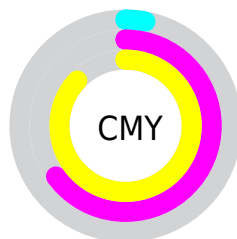
- Red (97%)
- Green (35%)
- Blue (13%)



- Red (97%)
- Yellow (42%)
- Blue (13%)



- Cyan (0%)
- Magenta (65%)
- Yellow (87%)
- Black (3%)





- Cyan (3%)
- Magenta (65%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4756, 27.0457, 4.4205 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 42.4756, 27.0457, 4.4205 by changing the saturation by 10% instead.


 42.4756, 27.0457,
4.4205


 42.4756, 27.0457,
4.4205


347.4089,
287.8783, 152.7905


 29.6666, 17.6075,
1.8587


 78.1796, 54.9572,
14.9685

 19.7325, 10.6686,
0.4663


 101.8053, 74.1993,
23.7918


 12.3079, 5.8445,
0.0000


 129.7673, 97.4782,
35.5394

 7.0274, 2.7507,
0.0000

 162.4309,
125.1783, 50.6298

 3.5257, 1.0030,
0.0000

 200.1615,
157.6840, 69.4816

 1.4375, 0.0000,
0.0000

 243.3245,

 0.2827, 0.0000,

195.3796, 92.5133

0.0000

292.2852,
238.6496, 120.1434

0.0000, 0.0000,
0.0000

42.4756, 27.0457,
4.4205

42.4756, 27.0457,
4.4205

40.9185, 24.2992,
2.7691

44.6719, 30.6640,
7.5409


40.5137, 23.5616,
2.4125


47.5805, 35.2217,
12.3940


51.2649, 40.7839,
19.1912


55.7800, 47.4083,
28.1131

61.1757, 55.1480,
39.3195

 67.4974, 64.0522,
52.9545

 74.7876, 74.1673,
69.1505

 83.0859, 85.5370,
88.0302

 92.2355, 98.1252,
108.6865

Harmonies

Analogous

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



50.3908, 27.0457, 16.3569



42.4756, 27.0457, 4.4205



30.9735, 27.0457, 1.4491

Triad

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



42.4756, 27.0457, 4.4205



10.6971, 27.0457, 17.4376



31.5966, 27.0457, 127.2519

Complementary

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



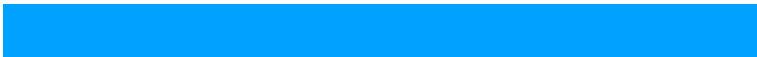
42.4756, 27.0457, 4.4205



36.6383, 45.2365, 95.6066

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.



21.0726, 27.0457, 128.3679



42.4756, 27.0457, 4.4205



10.7789, 27.0457, 48.1366

Square

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



42.4756, 27.0457, 4.4205



13.7925, 27.0457, 4.7521



14.0584, 27.0457, 93.2642



43.0373, 27.0457, 90.8146

Rectangle

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



42.4756, 27.0457, 4.4205



23.7209, 27.0457, 1.2609



14.0584, 27.0457, 93.2642



27.7991, 27.0457, 132.3226

Sweetspot

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



42.4762, 27.0473, 4.4209



72.3831, 68.9018, 57.4579



49.0207, 24.9504, 53.4184



14.9634, 14.0065, 11.1420



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.



42.4762, 27.0473, 4.4209



43.1443, 25.0686, 2.5648



58.3330, 58.7610, 9.7065



17.6055, 17.9469, 17.9986



21.9804, 12.9174, 1.3348



2.1171, 1.3590, 0.1507

Inverse Universe

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



36.6383, 45.2365, 95.6066



36.4108, 43.9416, 101.1703



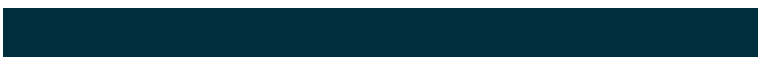
20.9585, 13.8768, 90.3800



17.3679, 18.8126, 22.1011



18.5923, 22.5402, 51.3443



1.8069, 2.2574, 4.7837

Previews

White Background



This preview shows how the XYZ color 42.4756, 27.0457, 4.4205 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 42.4756, 27.0457, 4.4205 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 42.4756, 27.0457, 4.4205

Background



This preview shows how black text looks on a background with the XYZ color 42.4756, 27.0457, 4.4205.



This preview shows how white text looks on a background with the XYZ color 42.4756, 27.0457,

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

42.4756, 27.0457, 4.4205

Protanopia

24.6336, 27.2211, 6.6452

Deuteranopia

27.4864, 27.0312, 3.7689



Tritanopia

44.2379, 27.1986, 11.9351

Trichromacy



Original Color

42.4756, 27.0457, 4.4205

Protanomaly

28.9867, 25.4095, 5.5672

Deuteranomaly

31.7216, 25.9625, 3.6872

Tritanomaly

43.3285, 27.0420, 8.2461

Monochromacy



Original Color

42.4756, 27.0457, 4.4205

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

25.4299, 21.9719, 13.7272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4756, 27.0457, 4.4205 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(248, 88, 33)` looks like.

```
.text, #text, p{  
    color:rgb(248, 88, 33)  
}
```

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(248, 88, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 88, 33) }
```

Border

The CSS property to change the border of an element to XYZ 42.4756, 27.0457, 4.4205 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(248, 88, 33) }
```


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

```
.border{ border-color:rgb(248, 88, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 88, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 88, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 88, 33);  
box-shadow:4px 4px 4px 4px rgb(248, 88,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4756, 27.0457, 4.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 88, 33) }
```

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

```
.background{ background-color: rgb(248, 88,  
33) }
```

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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