

Converting Colors

XYZ(45.9541, 31.6211, 5.4343)

Have a look what the booklet for
XYZ(45.9541, 31.6211, 5.4343)
contains.

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Color

**XYZ(45.8414, 31.5541,
5.4247)**

Conversions

Conversions Part 1

Format	Color
Hex	FC6C25
RGB	252, 108, 37
RGB Percent	99%, 42%, 15%
CMY	0.0118, 0.5764, 0.8549
CMYK	0.00, 0.57, 0.85, 0.01
HSL	20°, 97%, 57%
HSV	20°, 85%, 99%
XYZ	45.8414, 31.5541, 5.4247
YIQ	142.9620, 108.6150, 8.4470

Conversions

Conversions Part 2

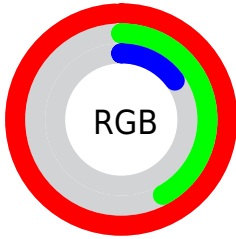
Format	Color
R _{YB}	252, 143, 37
Decimal	16542757
CIE Lab	62.97, 51.71, 62.57
CIE LCh	63, 81.171, 50.426
Yxy	31.5541, 0.5535, 0.3810
Android (android.graphics.Color)	4294732837 (0xFFFC6C25)
YUV	142.9620, -52.2393, 95.6263
Hunter-Lab	56.1730, 47.3665, 33.5954

Details

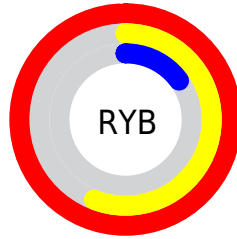
The XYZ color **45.8414, 31.5541, 5.4247** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **34.8561, 40.4665, 98.0686**, and the grayscale version is **26.2661, 27.6340, 30.0934**.

A 20% lighter version of the original color is **56.1827, 48.1926, 16.0138**, and **21.7666, 13.1110, 1.3834** is the 20% darker color. If you saturate the color by 10%, you get **43.9621, 28.2261, 3.4726**, and if you desaturate by 10%, it is **48.3389, 35.6837, 8.9265**.

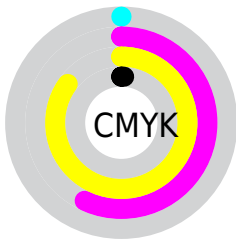
Distribution



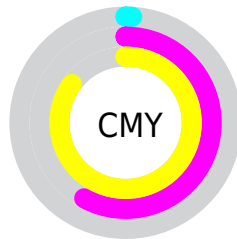
- Red (99%)
- Green (42%)
- Blue (15%)



- Red (99%)
- Yellow (56%)
- Blue (15%)



- Cyan (0%)
- Magenta (57%)
- Yellow (85%)
- Black (1%)





- Cyan (1%)
- Magenta (58%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8414, 31.5541, 5.4247 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 45.8414, 31.5541, 5.4247 by changing the saturation by 10% instead.


 45.8414, 31.5541,
5.4247


 45.8414, 31.5541,
5.4247


360.8973,
309.0830, 162.9446


 32.3248, 21.0211,
2.4355


 83.2109, 62.1114,
17.1812

 21.7664, 13.1395,
0.8057


 107.7945, 82.9045,
26.7855

 13.8010, 7.5246,
0.0000


 136.7978,
107.8865, 39.4319

 8.0632, 3.7923,
0.0000

 170.5862,
137.4418, 55.5390

 4.1875, 1.5581,
0.0000

 209.5249,
171.9546, 75.5252

 1.8088, 0.3291,
0.0000

 253.9795,

 0.5229, 0.0000,

211.8095, 99.8092

0.0000

304.3151,
257.3908, 128.8095

■ 0.0000, 0.0000,
0.0000

■ 45.8414, 31.5541,
5.4247

■ 45.8414, 31.5541,
5.4247

■ 43.9621, 28.2261,
3.4726

■ 48.3389, 35.6837,
8.9265

■ 43.2553, 26.9166,
2.9156

■ 51.5192, 40.6657,
14.2371

■ 55.4393, 46.5514,
21.5690

■ 60.1487, 53.3864,
31.1042

■ 65.6922, 61.2127,
43.0042

72.1108, 70.0695,
57.4153

79.4430, 79.9939,
74.4719

87.7244, 91.0209,
94.2986

93.9546, 99.4353,
108.8487

Harmonies

Analogous

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



54.9250, 31.5541, 17.0650



45.8414, 31.5541, 5.4247



33.7031, 31.5541, 2.4055

Triad

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



45.8414, 31.5541, 5.4247



13.4197, 31.5541, 25.1169



38.1193, 31.5541, 130.0993

Complementary

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



45.8414, 31.5541, 5.4247



34.8561, 40.4665, 98.0686

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.



26.5624, 31.5541, 137.5435



45.8414, 31.5541, 5.4247



14.0435, 31.5541, 60.5721

Square

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



45.8414, 31.5541, 5.4247



16.3071, 31.5541, 8.1965



18.2940, 31.5541, 106.8165



49.7547, 31.5541, 90.2521

Rectangle

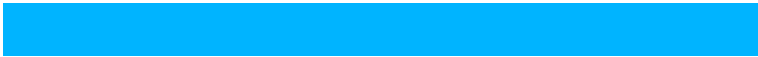
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8414, 31.5541, 5.4247



26.2738, 31.5541, 2.4325



18.2940, 31.5541, 106.8165



34.0437, 31.5541, 137.1441

Sweetspot

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



45.8421, 31.5559, 5.4252



73.5870, 71.3095, 57.8592



49.4493, 25.4758, 47.6128



15.2439, 14.5676, 11.2355



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.



45.8421, 31.5559, 5.4252



44.4273, 27.6345, 2.9924



64.1681, 68.2080, 11.5339



17.7128, 18.1615, 18.0344



22.6521, 14.2608, 1.5587



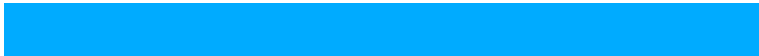
2.1907, 1.5063, 0.1753

Inverse Universe

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



34.8561, 40.4665, 98.0686



32.5718, 36.2635, 99.8906



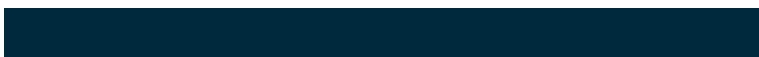
20.9470, 12.6483, 93.4322



17.2545, 18.5859, 22.0633



16.6621, 18.6798, 50.7009



1.6402, 1.9241, 4.7281

Previews

White Background



This preview shows how the XYZ color 45.8414, 31.5541, 5.4247 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 45.8414, 31.5541, 5.4247 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8414, 31.5541, 5.4247

Background



This preview shows how black text looks on a background with the XYZ color 45.8414, 31.5541, 5.4247.



This preview shows how white text looks on a background with the XYZ color 45.8414, 31.5541,

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

45.8414, 31.5541, 5.4247

Protanopia

28.7193, 31.6538, 7.3924

Deuteranopia

32.2112, 31.6257, 4.8969



Tritanopia

48.2335, 31.4609, 17.7177

Trichromacy



Original Color

45.8414, 31.5541, 5.4247

Protanomaly

33.2197, 30.3525, 6.4906

Deuteranomaly

36.1477, 30.8646, 4.9164

Tritanomaly

46.9813, 31.3925, 11.5658

Monochromacy



Original Color

45.8414, 31.5541, 5.4247

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

30.0098, 27.0320, 16.7327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8414, 31.5541, 5.4247 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(252, 108, 37)` looks like.

```
.text, #text, p{  
    color:rgb(252, 108, 37)  
}
```

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(252, 108, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 108, 37) }
```

Border

The CSS property to change the border of an element to XYZ 45.8414, 31.5541, 5.4247 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(252, 108, 37) }
```


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

```
.border{ border-color:rgb(252, 108, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 108, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 108, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 108, 37);  
box-shadow:4px 4px 4px 4px rgb(252, 108,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8414, 31.5541, 5.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 108, 37) }
```

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

```
.background{ background-color: rgb(252,  
108, 37) }
```

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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