

Converting Colors

XYZ(46.0531, 34.8478, 6.0623)

Have a look what the booklet for
XYZ(46.0531, 34.8478, 6.0623)
contains.

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Color

**XYZ(46.1526, 34.8294,
6.0405)**

Conversions

Conversions Part 1

Format	Color
Hex	F77E25
RGB	247, 126, 37
RGB Percent	97%, 49%, 15%
CMY	0.0314, 0.5059, 0.8549
CMYK	0.00, 0.49, 0.85, 0.03
HSL	25°, 93%, 56%
HSV	25°, 85%, 97%
XYZ	46.1526, 34.8294, 6.0405
YIQ	152.0330, 100.6850, -2.0270

Conversions

Conversions Part 2

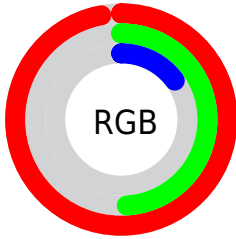
Format	Color
RYB	247, 191, 37
Decimal	16219685
CIELab	65.62, 41.21, 64.44
CIELCh	66, 76.487, 57.403
Yxy	34.8294, 0.5304, 0.4002
Android (android.graphics.Color)	4294409765 (0xFFFF77E25)
YUV	152.0330, -56.7113, 83.2861
Hunter-Lab	59.0164, 36.3135, 35.2430

Details

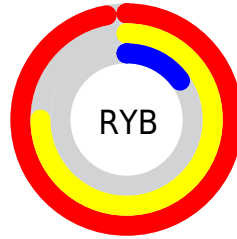
The XYZ color **46.1526, 34.8294, 6.0405** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.7775, 31.5608, 92.5176**, and the grayscale version is **30.0672, 31.6330, 34.4483**.

A 20% lighter version of the original color is **59.4496, 54.6578, 17.3142**, and **21.9772, 14.9648, 1.7302** is the 20% darker color. If you saturate the color by 10%, you get **44.1953, 31.3404, 4.0776**, and if you desaturate by 10%, it is **48.6320, 38.9446, 9.4687**.

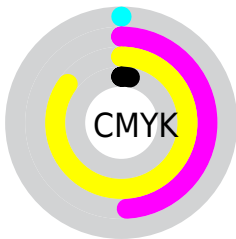
Distribution



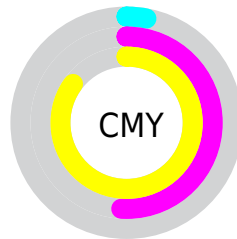
- Red (97%)
- Green (49%)
- Blue (15%)



- Red (97%)
- Yellow (75%)
- Blue (15%)



- Cyan (0%)
- Magenta (49%)
- Yellow (85%)
- Black (3%)





- Cyan (3%)
- Magenta (51%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1526, 34.8294, 6.0405 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 46.1526, 34.8294, 6.0405 by changing the saturation by 10% instead.


 46.1526, 34.8294,
6.0405

 46.1526, 34.8294,
6.0405


362.1275,
323.8147, 168.7507

 32.5714, 23.5315,
2.8005


 83.6738, 67.2214,
18.4940


 21.9560, 14.9864,
0.9937


 108.3445, 89.0843,
28.5446


 13.9410, 8.8099,
0.0000


 137.4424,
115.2376, 41.7026

 8.1610, 4.6174,
0.0000

 171.3329,
146.0658, 58.3864

 4.2508, 2.0246,
0.0000

 210.3813,
181.9531, 79.0145

 1.8450, 0.6217,
0.0000

 254.9529,

 0.5446, 0.0000,

223.2842, 104.0056

0.0000

305.4132,
270.4432, 133.7782

■ 0.0000, 0.0000,
0.0000

■ 46.1526, 34.8294,
6.0405

■ 46.1526, 34.8294,
6.0405

■ 44.1953, 31.3404,
4.0776

■ 48.6320, 38.9446,
9.4687


■ 43.3774, 29.8137,
3.4684


■ 51.6869, 43.7191,
14.6039


■ 55.3649, 49.1889,
21.6451

■ 59.7070, 55.3851,
30.7627

■ 64.7502, 62.3365,
42.1083

 70.5284, 70.0703,
55.8190

 77.0730, 78.6118,
72.0208

 84.4136, 87.9853,
90.8305

 91.8773, 97.9336,
108.6684

Harmonies

Analogous

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



56.2124, 34.8294, 15.9883



46.1526, 34.8294, 6.0405



34.0924, 34.8294, 3.6197

Triad

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



46.1526, 34.8294, 6.0405



15.8797, 34.8294, 35.1896



44.0698, 34.8294, 123.5785

Complementary

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



46.1526, 34.8294, 6.0405



29.7775, 31.5608, 92.5176

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.



32.1355, 34.8294, 139.3147



46.1526, 34.8294, 6.0405



17.3967, 34.8294, 74.0984

Square

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



46.1526, 34.8294, 6.0405



18.0417, 34.8294, 13.4117



22.7811, 34.8294, 117.5211



54.8312, 34.8294, 81.9458

Rectangle

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



46.1526, 34.8294, 6.0405



27.0571, 34.8294, 4.2290



22.7811, 34.8294, 117.5211



39.9915, 34.8294, 132.8299

Sweetspot

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



46.1534, 34.8313, 6.0411



75.1542, 74.4440, 58.3816



45.3208, 23.6180, 35.1994



15.6113, 15.3023, 11.3579



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.



46.1534, 34.8313, 6.0411



46.6109, 32.0017, 3.7203



66.8493, 76.2232, 12.9398



17.0765, 17.6371, 17.3018



23.0748, 16.0351, 1.8789



2.1276, 1.6084, 0.1983

Inverse Universe

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



29.7775, 31.5608, 92.5176



28.4715, 28.0630, 98.5238



18.8942, 9.7941, 88.8898



16.3741, 17.5124, 21.0598



14.1630, 14.1197, 48.5169



1.3465, 1.4443, 4.2981

Previews

White Background



This preview shows how the XYZ color 46.1526, 34.8294, 6.0405 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 46.1526, 34.8294, 6.0405 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 46.1526, 34.8294, 6.0405

Background



This preview shows how black text looks on a background with the XYZ color 46.1526, 34.8294, 6.0405.



This preview shows how white text looks on a background with the XYZ color 46.1526, 34.8294,

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

46.1526, 34.8294, 6.0405

Protanopia

31.6544, 34.9226, 7.6571

Deuteranopia

35.7400, 35.0749, 5.6970



Tritanopia

50.0280, 34.9725, 23.8523

Trichromacy



Original Color

46.1526, 34.8294, 6.0405

Protanomaly

35.9278, 34.1916, 6.9915

Deuteranomaly

38.9455, 34.6342, 5.7310

Tritanomaly

48.2821, 34.8069, 14.7633

Monochromacy



Original Color

46.1526, 34.8294, 6.0405

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.1305, 31.3355, 19.0540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1526, 34.8294, 6.0405 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(247, 126, 37)` looks like.

```
.text, #text, p{  
    color:rgb(247, 126, 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(247, 126, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 126, 37) }
```

Border

The CSS property to change the border of an element to XYZ 46.1526, 34.8294, 6.0405 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(247, 126, 37) }
```


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

```
.border{ border-color:rgb(247, 126, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 126, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 126, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 126, 37);  
box-shadow:4px 4px 4px 4px rgb(247, 126,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1526, 34.8294, 6.0405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 126, 37) }
```

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

```
.background{ background-color: rgb(247,  
126, 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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