

Converting Colors

XYZ(44.3769, 30.2813, 3.5081)

Have a look what the booklet for
XYZ(44.3769, 30.2813, 3.5081)
contains.

XYZ(44.3747, 30.2246, 3.4951)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.3747, 30.2246,
3.4951)**

Conversions

Conversions Part 1

Format	Color
Hex	FA6800
RGB	250, 104, 0
RGB Percent	98%, 41%, 0%
CMY	0.0196, 0.5921, 1.0000
CMYK	0.00, 0.58, 1.00, 0.02
HSL	25°, 100%, 49%
HSV	25°, 100%, 98%
XYZ	44.3747, 30.2246, 3.4951
YIQ	135.7980, 120.4000, -1.3920

Conversions

Conversions Part 2

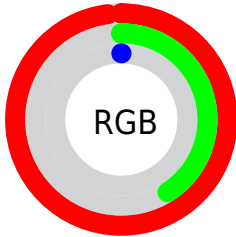
Format	Color
R _Y B	250, 178, 0
Decimal	16410624
CIE Lab	61.85, 52.33, 70.66
CIE LCh	62, 87.929, 53.474
Yxy	30.2246, 0.5682, 0.3870
Android (android.graphics.Color)	4294600704 (0xFFFA6800)
YUV	135.7980, -66.9484, 100.1552
Hunter-Lab	54.9769, 47.8670, 34.7145

Details

The XYZ color **44.3747, 30.2246, 3.4951** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.5335, 27.4587, 94.2908**, and the grayscale version is **23.5386, 24.7644, 26.9685**.

A 20% lighter version of the original color is **54.6815, 46.4736, 11.5571**, and **21.1059, 12.5109, 1.3024** is the 20% darker color. If you saturate the color by 10%, you get **44.3750, 30.2256, 3.4953**, and if you desaturate by 10%, it is **46.1499, 33.4947, 4.9528**.

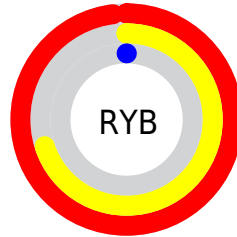
Distribution



Red (98%)

Green (41%)

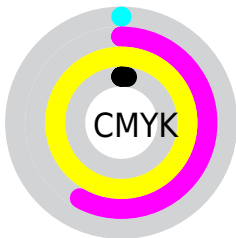
Blue (0%)



Red (98%)

Yellow (70%)

Blue (0%)

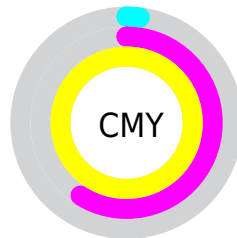


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3747, 30.2246, 3.4951 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 44.3747, 30.2246, 3.4951 by changing the saturation by 10% instead.


 44.3747, 30.2246,
3.4951


 44.3747, 30.2246,
3.4951


355.0616,
302.9500, 142.4362


 31.1644, 20.0091,
1.3527


 81.0241, 60.0172,
12.8275

 20.8765, 12.4017,
0.1044


 105.1940, 80.3631,
20.8545

 13.1457, 7.0179,
0.0000


 133.7476,
104.8546, 31.6801

 7.6066, 3.4733,
0.0000

 167.0506,
133.8761, 45.7229

 3.8940, 1.3835,
0.0000

 205.4680,
167.8120, 63.4013


 1.6423, 0.2045,
0.0000


 249.3655,


 0.4198, 0.0000,

207.0467, 85.1340


0.0000


 299.1082,
251.9645, 111.3395


 0.0000, 0.0000,
0.0000


 44.3747, 30.2246,
3.4951


 44.3747, 30.2246,
3.4951


 44.3750, 30.2256,
3.4953

 46.1499, 33.4947,
4.9528

 48.4159, 37.3862,
7.6827

 51.2540, 41.9513,
12.0536

 54.7167, 47.2282,
18.2900

 58.8494, 53.2513,
26.5807

63.6926, 60.0522,
37.0907

69.2831, 67.6604,
49.9683

75.6547, 76.1037,
65.3488

82.8393, 85.4082,
83.3571

Harmonies

Analogous

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



54.8202, 30.2246, 13.2846



44.3747, 30.2246, 3.4951



31.3717, 30.2246, 1.4006

Triad

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



44.3747, 30.2246, 3.4951



11.6248, 30.2246, 26.0918



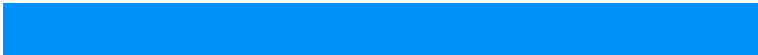
38.6949, 30.2246, 135.0238

Complementary

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



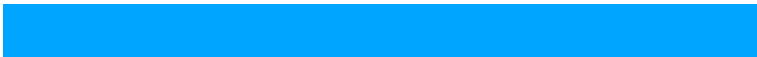
44.3747, 30.2246, 3.4951



27.5335, 27.4587, 94.2908

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.



26.2364, 30.2246, 148.0660



44.3747, 30.2246, 3.4951



12.5929, 30.2246, 65.9798

Square

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



44.3747, 30.2246, 3.4951



14.1330, 30.2246, 7.4728



17.2734, 30.2246, 117.0457



50.9651, 30.2246, 88.3666

Rectangle

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



44.3747, 30.2246, 3.4951



23.7804, 30.2246, 1.5731



17.2734, 30.2246, 117.0457



34.3173, 30.2246, 144.3878

Sweetspot

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



44.3754, 30.2263, 3.4956



72.4533, 70.7487, 52.2203



44.9293, 22.5261, 30.8349



14.9590, 14.4020, 9.8945



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.



44.3754, 30.2263, 3.4956



46.4029, 31.5858, 3.6510



66.3493, 74.1743, 10.8202



17.8379, 18.4116, 18.0760



23.6722, 16.3011, 1.8988



2.2944, 1.7136, 0.2098

Inverse Universe

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



27.5335, 27.4587, 94.2908



28.7838, 28.6877, 98.6279



17.6030, 7.5976, 90.9806



17.1253, 18.3274, 22.0202



14.7499, 14.8554, 50.0635



1.4707, 1.5851, 4.6716

Previews

White Background



This preview shows how the XYZ color 44.3747, 30.2246, 3.4951 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 44.3747, 30.2246, 3.4951 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 44.3747, 30.2246, 3.4951

Background



This preview shows how black text looks on a background with the XYZ color 44.3747, 30.2246, 3.4951.



This preview shows how white text looks on a background with the XYZ color 44.3747, 30.2246,

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

44.3747, 30.2246, 3.4951

Protanopia

27.4334, 30.3137, 5.2694

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

47.2309, 30.4113, 16.2126

Trichromacy



Original Color

44.3747, 30.2246, 3.4951

Protanomaly

31.7625, 28.8153, 4.3398

Deuteranomaly

34.5831, 29.2872, 3.8303

Tritanomaly

45.6854, 30.2031, 8.5762

Monochromacy



Original Color

44.3747, 30.2246, 3.4951

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

27.0594, 24.4505, 12.3101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3747, 30.2246, 3.4951 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, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 104, 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, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.3747, 30.2246, 3.4951 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, 104, 0) }
```


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

```
.border{ border-color:rgb(250, 104, 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, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 104,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3747, 30.2246, 3.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 104, 0) }
```

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

```
.background{ background-color: rgb(250,  
104, 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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