

Converting Colors

XYZ(41.5372, 30.6861, 3.7338)

Have a look what the booklet for
XYZ(41.5372, 30.6861, 3.7338)
contains.

XYZ(41.5053, 30.6679, 3.7319)	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(41.5053, 30.6679,
3.7319)**

Conversions

Conversions Part 1

Format	Color
Hex	EE7400
RGB	238, 116, 0
RGB Percent	93%, 45%, 0%
CMY	0.0667, 0.5451, 1.0000
CMYK	0.00, 0.51, 1.00, 0.07
HSL	29°, 100%, 47%
HSV	29°, 100%, 93%
XYZ	41.5053, 30.6679, 3.7319
YIQ	139.2540, 109.9480, -10.2120

Conversions

Conversions Part 2

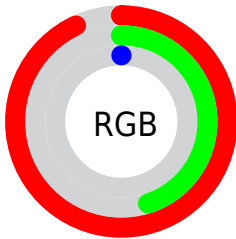
Format	Color
R _Y B	238, 226, 0
Decimal	15627264
CIE Lab	62.23, 42.15, 69.91
CIE LCh	62, 81.633, 58.910
Yxy	30.6679, 0.5468, 0.4040
Android (android.graphics.Color)	4293817344 (0xFFEE7400)
YUV	139.2540, -68.6522, 86.6002
Hunter-Lab	55.3786, 36.8701, 34.7695

Details

The XYZ color **41.5053, 30.6679, 3.7319** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **22.3919, 20.0917, 83.5863**, and the grayscale version is **24.8668, 26.1618, 28.4902**.

A 20% lighter version of the original color is **56.6889, 50.4391, 12.3781**, and **19.2890, 12.6655, 1.4280** is the 20% darker color. If you saturate the color by 10%, you get **41.5055, 30.6688, 3.7321**, and if you desaturate by 10%, it is **43.1687, 33.7346, 5.0899**.

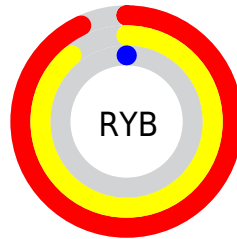
Distribution



Red (93%)

Green (45%)

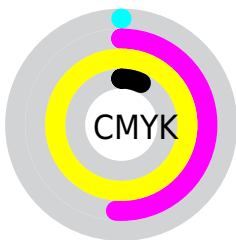
Blue (0%)



Red (93%)

Yellow (89%)

Blue (0%)

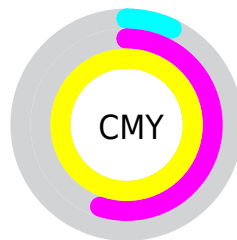


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5053, 30.6679, 3.7319 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 41.5053, 30.6679, 3.7319 by changing the saturation by 10% instead.


 41.5053, 30.6679,
3.7319


 41.5053, 30.6679,
3.7319

343.4547,
305.0054, 145.1971

 28.9035, 20.3461,
1.4794


 76.7202, 60.7168,
13.3866

 19.1518, 12.6469,
0.2025


 100.0641, 81.2127,
21.6259

 11.8847, 7.1858,
0.0000


 127.7194,
105.8688, 32.6978

 6.7368, 3.5786,
0.0000

 160.0515,
135.0695, 47.0211

 3.3429, 1.4407,
0.0000

 197.4257,
169.1990, 65.0141


 1.3376, 0.2465,
0.0000

 240.2074,


 0.2111, 0.0000,


208.6420, 87.0954


0.0000


 288.7620,
253.7826, 113.6836


 0.0000, 0.0000,
0.0000


 41.5053, 30.6679,
3.7319


 41.5053, 30.6679,
3.7319


 41.5055, 30.6688,
3.7321

 43.1687, 33.7346,
5.0899

 45.2227, 37.2624,
7.5628

 47.7370, 41.2910,
11.4839

 50.7547, 45.8473,
17.0501

 54.3130, 50.9555,
24.4276

■ 58.4446, 56.6377,
33.7616

■ 63.1794, 62.9145,
45.1826

■ 68.5448, 69.8054,
58.8095

■ 74.5665, 77.3284,
74.7524

Harmonies

Analogous

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



51.8871, 30.6679, 11.8206



41.5053, 30.6679, 3.7319



29.5537, 30.6679, 2.0556

Triad

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



41.5053, 30.6679, 3.7319



12.6919, 30.6679, 32.2515



40.6283, 30.6679, 119.5578

Complementary

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



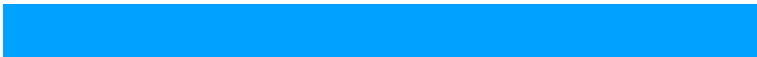
41.5053, 30.6679, 3.7319



22.3919, 20.0917, 83.5863

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.



28.7479, 30.6679, 138.0993



41.5053, 30.6679, 3.7319



14.2663, 30.6679, 72.1168

Square

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



41.5053, 30.6679, 3.7319



14.5180, 30.6679, 10.8484



19.5261, 30.6679, 116.8775



51.2976, 30.6679, 75.5079

Rectangle

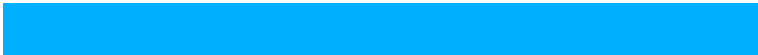
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5053, 30.6679, 3.7319



22.8121, 30.6679, 2.6071



19.5261, 30.6679, 116.8775



36.5624, 30.6679, 129.8658

Sweetspot

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



41.5060, 30.6696, 3.7324



73.8276, 73.4972, 52.6784



38.8330, 19.6065, 20.4666



15.2824, 15.0487, 10.0023



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.



41.5060, 30.6696, 3.7324



48.4841, 35.7482, 4.3447



64.6918, 77.0413, 11.4610



16.4088, 17.0307, 16.5721



23.2847, 17.3675, 2.1250



2.0363, 1.6434, 0.2099

Inverse Universe

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



22.3919, 20.0917, 83.5863



26.1273, 23.3747, 97.7424



15.4757, 6.2593, 81.2809



15.5673, 16.5686, 20.0992



12.6224, 11.4691, 46.6764



1.1497, 1.1533, 3.9162

Previews

White Background



This preview shows how the XYZ color 41.5053, 30.6679, 3.7319 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 41.5053, 30.6679, 3.7319 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 41.5053, 30.6679, 3.7319

Background



This preview shows how black text looks on a background with the XYZ color 41.5053, 30.6679, 3.7319.



This preview shows how white text looks on a background with the XYZ color 41.5053, 30.6679,

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

41.5053, 30.6679, 3.7319

Protanopia

27.7795, 30.7334, 5.1775

Deuteranopia

31.3083, 30.7213, 4.2797



Tritanopia

44.7327, 30.6637, 19.7807

Trichromacy



Original Color

41.5053, 30.6679, 3.7319

Protanomaly

31.6668, 29.8081, 4.4653

Deuteranomaly

34.4000, 30.1850, 4.0132

Tritanomaly

42.8222, 30.3752, 9.9093

Monochromacy



Original Color

41.5053, 30.6679, 3.7319

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

27.5569, 26.0511, 12.8085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5053, 30.6679, 3.7319 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(238, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 116, 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(238, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 116, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.5053, 30.6679, 3.7319 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(238, 116, 0) }
```


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

```
.border{ border-color:rgb(238, 116, 0) }
```

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

Here you see how a box with a 4 pixel rgb(238, 116, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 116,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5053, 30.6679, 3.7319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 116, 0) }
```

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

```
.background{ background-color: rgb(238,  
116, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor