

Converting Colors

XYZ(40.1432, 30.1517, 4.6017)

Have a look what the booklet for
XYZ(40.1432, 30.1517, 4.6017)
contains.

XYZ(40.1410, 30.1164, 4.6171)	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(40.1410, 30.1164,
4.6171)**

Conversions

Conversions Part 1

Format	Color
Hex	E97519
RGB	233, 117, 25
RGB Percent	91%, 46%, 10%
CMY	0.0863, 0.5411, 0.9019
CMYK	0.00, 0.50, 0.89, 0.09
HSL	27°, 83%, 51%
HSV	27°, 89%, 91%
XYZ	40.1410, 30.1164, 4.6171
YIQ	141.1960, 98.6680, -4.0200

Conversions

Conversions Part 2

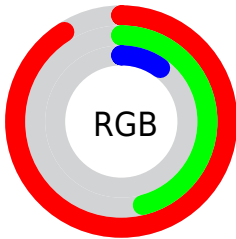
Format	Color
R _Y B	233, 190, 25
Decimal	15299865
CIE Lab	61.75, 39.99, 64.32
CIE LCh	62, 75.733, 58.131
Yxy	30.1164, 0.5361, 0.4022
Android (android.graphics.Color)	4293489945 (0xFFE97519)
YUV	141.1960, -57.2846, 80.5121
Hunter-Lab	54.8784, 34.5272, 33.4266

Details

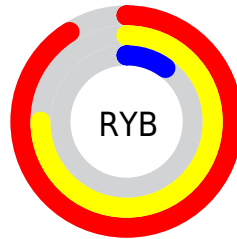
The XYZ color **40.1410, 30.1164, 4.6171** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **24.6331, 25.1384, 80.6440**, and the grayscale version is **25.5863, 26.9188, 29.3146**.

A 20% lighter version of the original color is **57.2881, 50.9799, 14.6053**, and **18.5258, 12.4425, 1.4252** is the 20% darker color. If you saturate the color by 10%, you get **38.5650, 27.2307, 3.2724**, and if you desaturate by 10%, it is **42.1266, 33.5050, 7.0761**.

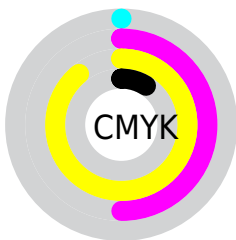
Distribution



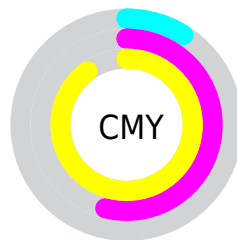
- Red (91%)
- Green (46%)
- Blue (10%)



- Red (91%)
- Yellow (75%)
- Blue (10%)



- Cyan (0%)
- Magenta (50%)
- Yellow (89%)
- Black (9%)





- Cyan (9%)
- Magenta (54%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1410, 30.1164, 4.6171 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 40.1410, 30.1164, 4.6171 by changing the saturation by 10% instead.


 40.1410, 30.1164,
4.6171


 40.1410, 30.1164,
4.6171

337.8417,
302.4466, 154.8556


 27.8332, 19.9270,
1.9696


 74.6612, 59.8462,
15.4097


 18.3398, 12.3420,
0.5365


 97.6042, 80.1554,
24.3919

 11.2954, 6.9770,
0.0000


 124.8231,
104.6065, 36.3227

 6.3346, 3.4477,
0.0000

 156.6831,
133.5841, 51.6207

 3.0922, 1.3697,
0.0000

 193.5496,
167.4726, 70.7045

 1.2027, 0.1942,
0.0000

 235.7880,

 0.1085, 0.0000,

206.6562, 93.9925

0.0000

283.7636,
251.5194, 121.9034

0.0000, 0.0000,
0.0000

40.1410, 30.1164,
4.6171

40.1410, 30.1164,
4.6171

38.5650, 27.2307,
3.2724

42.1266, 33.5050,
7.0761

38.4605, 27.0366,
3.1915

44.5825, 37.4296,
10.9383

47.5517, 41.9210,
16.3889

51.0707, 47.0055,
23.5844

55.1722, 52.7074,
32.6620

■ 59.8858, 59.0492,
43.7451

■ 65.2390, 66.0523,
56.9465

■ 71.2574, 73.7366,
72.3706

■ 77.9650, 82.1214,
90.1147

Harmonies

Analogous

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



49.3739, 30.1164, 12.9486



40.1410, 30.1164, 4.6171



29.2623, 30.1164, 2.7063

Triad

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



40.1410, 30.1164, 4.6171



13.2807, 30.1164, 31.0123



38.7833, 30.1164, 110.2709

Complementary

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



40.1410, 30.1164, 4.6171



24.6331, 25.1384, 80.6440

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.



27.9965, 30.1164, 125.5998



40.1410, 30.1164, 4.6171



14.6958, 30.1164, 66.5929

Square

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



40.1410, 30.1164, 4.6171



15.1053, 30.1164, 11.3314



19.5531, 30.1164, 106.2524



48.4692, 30.1164, 71.7552

Rectangle

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



40.1410, 30.1164, 4.6171



23.0008, 30.1164, 3.2574



19.5531, 30.1164, 106.2524



35.0979, 30.1164, 119.0349

Sweetspot

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



40.1417, 30.1180, 4.6176



74.8300, 74.2337, 56.9226



38.8996, 19.9981, 27.7440



15.5610, 15.2855, 11.0829



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.



40.1417, 30.1180, 4.6176



47.1223, 33.0246, 3.8908



59.1456, 68.1260, 10.9523



15.6138, 16.1507, 15.8132



21.9427, 15.5795, 1.8506



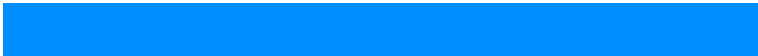
1.8175, 1.4123, 0.1768

Inverse Universe

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



24.6331, 25.1384, 80.6440



27.7535, 26.6269, 98.2845



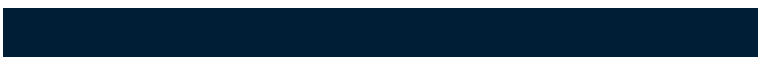
15.8301, 7.5324, 77.7096



14.9279, 15.9423, 19.2126



12.9959, 12.6389, 45.4976



1.1161, 1.1838, 3.6045

Previews

White Background



This preview shows how the XYZ color 40.1410, 30.1164, 4.6171 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 40.1410, 30.1164, 4.6171 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 40.1410, 30.1164, 4.6171

Background



This preview shows how black text looks on a background with the XYZ color 40.1410, 30.1164, 4.6171.



This preview shows how white text looks on a background with the XYZ color 40.1410, 30.1164,

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

40.1410, 30.1164, 4.6171

Protanopia

27.3435, 30.2530, 5.9116

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

43.2716, 30.0545, 20.3501

Trichromacy



Original Color

40.1410, 30.1164, 4.6171

Protanomaly

31.0740, 29.4824, 5.3492

Deuteranomaly

33.6137, 29.7739, 4.2338

Tritanomaly

41.6554, 29.8906, 11.9615

Monochromacy



Original Color

40.1410, 30.1164, 4.6171

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.9590, 26.4021, 15.4269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1410, 30.1164, 4.6171 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(233, 117, 25)` looks like.

```
.text, #text, p{  
    color:rgb(233, 117, 25)  
}
```

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(233, 117, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 117, 25) }
```

Border

The CSS property to change the border of an element to XYZ 40.1410, 30.1164, 4.6171 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(233, 117, 25) }
```


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

```
.border{ border-color:rgb(233, 117, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 117, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 117, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 117, 25);  
box-shadow:4px 4px 4px 4px rgb(233, 117,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1410, 30.1164, 4.6171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 117, 25) }
```

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

```
.background{ background-color: rgb(233,  
117, 25) }
```

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