

Converting Colors

XYZ(40.5576, 31.5979, 4.7889)

Have a look what the booklet for
XYZ(40.5576, 31.5979, 4.7889)
contains.

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Color

**XYZ(40.6410, 31.6330,
4.7744)**

Conversions

Conversions Part 1

Format	Color
Hex	E87C17
RGB	232, 124, 23
RGB Percent	91%, 49%, 9%
CMY	0.0902, 0.5137, 0.9098
CMYK	0.00, 0.47, 0.90, 0.09
HSL	29°, 82%, 50%
HSV	29°, 90%, 91%
XYZ	40.6410, 31.6330, 4.7744
YIQ	144.7780, 96.7890, -8.5150

Conversions

Conversions Part 2

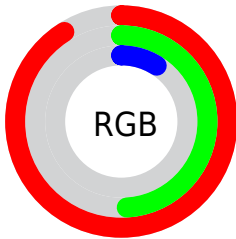
Format	Color
R _Y B	232, 218, 23
Decimal	15236119
CIE Lab	63.04, 36.00, 65.75
CIE LCh	63, 74.959, 61.295
Yxy	31.6330, 0.5275, 0.4106
Android (android.graphics.Color)	4293426199 (0xFFE87C17)
YUV	144.7780, -60.0366, 76.4937
Hunter-Lab	56.2432, 30.5573, 34.3372

Details

The XYZ color **40.6410, 31.6330, 4.7744** 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 **23.0347, 22.2401, 79.4219**, and the grayscale version is **27.0332, 28.4410, 30.9722**.

A 20% lighter version of the original color is **58.6456, 53.6949, 15.0578**, and **18.7447, 13.2001, 1.5599** is the 20% darker color. If you saturate the color by 10%, you get **39.0858, 28.7705, 3.4932**, and if you desaturate by 10%, it is **42.5791, 34.9615, 7.1101**.

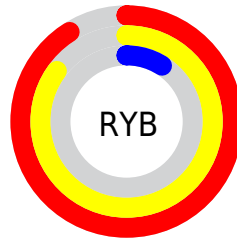
Distribution



Red (91%)

Green (49%)

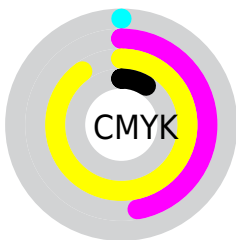
Blue (9%)



Red (91%)

Yellow (85%)

Blue (9%)

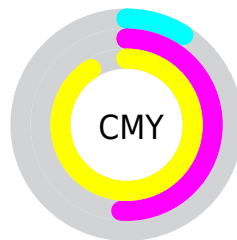


Cyan (0%)

Magenta (47%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (51%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6410, 31.6330, 4.7744 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 40.6410, 31.6330, 4.7744 by changing the saturation by 10% instead.


 40.6410, 31.6330,
4.7744


 40.6410, 31.6330,
4.7744


339.9062,
309.4440, 156.4789


 28.2251, 21.0813,
2.0591


 75.4168, 62.2353,
15.7597


 18.6367, 13.1835,
0.5913


 98.5074, 83.0547,
24.8667

 11.5105, 7.5550,
0.0000


 125.8869,
108.0655, 36.9415

 6.4811, 3.8116,
0.0000

 157.9207,
137.6521, 52.4024

 3.1832, 1.5687,
0.0000

 194.9742,
172.1989, 71.6681

 1.2514, 0.3364,
0.0000

 237.4127,

 0.1464, 0.0000,

212.0902, 95.1570

0.0000

285.6016,
257.7104, 123.2878

0.0000, 0.0000,
0.0000

40.6410, 31.6330,
4.7744

40.6410, 31.6330,
4.7744

39.0858, 28.7705,
3.4932

42.5791, 34.9615,
7.1101

44.9525, 38.7649,
10.8095

47.8025, 43.0706,
16.0584

51.1642, 47.9015,
23.0129

55.0684, 53.2788,
31.8094

■ 59.5434, 59.2220,
42.5707

■ 64.6152, 65.7496,
55.4086

■ 70.3079, 72.8790,
70.4267

■ 76.6442, 80.6268,
87.7214

Harmonies

Analogous

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



50.4129, 31.6330, 12.5513



40.6410, 31.6330, 4.7744



29.6198, 31.6330, 3.1402

Triad

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



40.6410, 31.6330, 4.7744



14.2696, 31.6330, 35.7438



41.5983, 31.6330, 109.4159

Complementary

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



40.6410, 31.6330, 4.7744



23.0347, 22.2401, 79.4219

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.



30.5171, 31.6330, 128.2425



40.6410, 31.6330, 4.7744



16.0963, 31.6330, 73.2066

Square

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



40.6410, 31.6330, 4.7744



15.8024, 31.6330, 13.7211



21.5061, 31.6330, 112.2158



51.0487, 31.6330, 69.5892

Rectangle

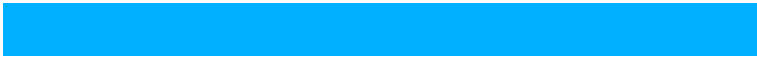
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.6410, 31.6330, 4.7744



23.4193, 31.6330, 3.9903



21.5061, 31.6330, 112.2158



37.8651, 31.6330, 119.1771

Sweetspot

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



40.6417, 31.6347, 4.7750



75.5611, 75.6960, 57.1663



37.9207, 19.5030, 24.4918



15.7323, 15.6281, 11.1400



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.



40.6417, 31.6347, 4.7750



48.3523, 35.4845, 4.3008



60.3671, 71.0856, 11.3501



14.9489, 15.5118, 15.1106



21.8240, 16.2222, 1.9810



1.7054, 1.3841, 0.1773

Inverse Universe

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



23.0347, 22.2401, 79.4219



26.2693, 23.6586, 97.7898



15.3824, 6.9355, 76.8711



14.1957, 15.1128, 18.3132



11.9337, 10.9295, 43.8638



0.9748, 0.9935, 3.2724

Previews

White Background



This preview shows how the XYZ color 40.6410, 31.6330, 4.7744 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 40.6410, 31.6330, 4.7744 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 40.6410, 31.6330, 4.7744

Background



This preview shows how black text looks on a background with the XYZ color 40.6410, 31.6330, 4.7744.



This preview shows how white text looks on a background with the XYZ color 40.6410, 31.6330,

4.7744.

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

40.6410, 31.6330, 4.7744

Protanopia

28.6518, 31.6521, 5.8957

Deuteranopia

32.1177, 31.5883, 4.4044



Tritanopia

44.3609, 31.5496, 22.8204

Trichromacy



Original Color

40.6410, 31.6330, 4.7744

Protanomaly

32.1307, 30.8992, 5.3693

Deuteranomaly

34.7216, 31.1743, 4.4169

Tritanomaly

42.4597, 31.3072, 12.8218

Monochromacy



Original Color

40.6410, 31.6330, 4.7744

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.4261, 28.1780, 16.1999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6410, 31.6330, 4.7744 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(232, 124, 23)` looks like.

```
.text, #text, p{  
    color:rgb(232, 124, 23)  
}
```

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(232, 124, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 124, 23) }
```

Border

The CSS property to change the border of an element to XYZ 40.6410, 31.6330, 4.7744 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(232, 124, 23) }
```


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

```
.border{ border-color:rgb(232, 124, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 124, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 124, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 124, 23);  
box-shadow:4px 4px 4px 4px rgb(232, 124,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6410, 31.6330, 4.7744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 124, 23) }
```

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

```
.background{ background-color: rgb(232,  
124, 23) }
```

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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