

Converting Colors

XYZ(40.6832, 31.9407, 4.0209)

Have a look what the booklet for
XYZ(40.6832, 31.9407, 4.0209)
contains.

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Color

**XYZ(40.6123, 31.8230,
4.0020)**

Conversions

Conversions Part 1

Format	Color
Hex	E87D00
RGB	232, 125, 0
RGB Percent	91%, 49%, 0%
CMY	0.0902, 0.5098, 1.0000
CMYK	0.00, 0.46, 1.00, 0.09
HSL	32°, 100%, 45%
HSV	32°, 100%, 91%
XYZ	40.6123, 31.8230, 4.0020
YIQ	142.7430, 103.8970, -16.1910

Conversions

Conversions Part 2

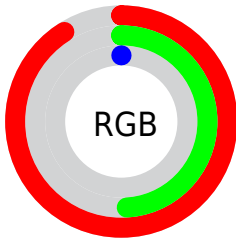
Format	Color
RYB	199, 232, 0
Decimal	15236352
CIELab	63.20, 35.23, 70.05
CIElCh	63, 78.410, 63.298
Yxy	31.8230, 0.5313, 0.4163
Android (android.graphics.Color)	4293426432 (0xFFE87D00)
YUV	142.7430, -70.3723, 78.2784
Hunter-Lab	56.4119, 29.7858, 35.2821

Details

The XYZ color **40.6123, 31.8230, 4.0020** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **19.8235, 16.3422, 78.4528**, and the grayscale version is **26.2500, 27.6171, 30.0750**.

A 20% lighter version of the original color is **58.4974, 53.9551, 13.2925**, and **18.8110, 13.3326, 1.5820** is the 20% darker color. If you saturate the color by 10%, you get **40.6123, 31.8234, 4.0020**, and if you desaturate by 10%, it is **42.1981, 34.7442, 5.3039**.

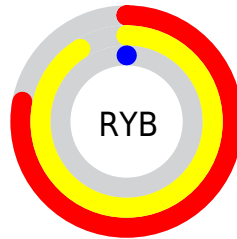
Distribution



Red (91%)

Green (49%)

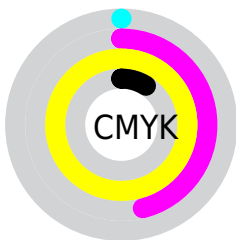
Blue (0%)



Red (78%)

Yellow (91%)

Blue (0%)

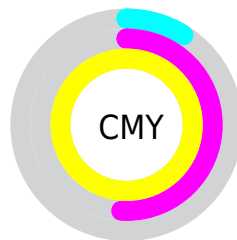


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6123, 31.8230, 4.0020 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 40.6123, 31.8230, 4.0020 by changing the saturation by 10% instead.


 40.6123, 31.8230,
4.0020


 40.6123, 31.8230,
4.0020


339.7879,
310.3122, 148.2476


 28.2026, 21.2263,
1.6264

 75.3734, 62.5335,
14.0144

 18.6197, 13.2895,
0.3096


 98.4556, 83.4161,
22.4883

 11.4982, 7.6282,
0.0000


 125.8259,
108.4962, 33.8320

 6.4727, 3.8580,
0.0000

 157.8498,
138.1582, 48.4642

 3.1780, 1.5944,
0.0000

 194.8926,
172.7863, 66.8033


 1.2486, 0.3539,
0.0000

 237.3196,


 0.1442, 0.0000,


212.7651, 89.2678


0.0000


 285.4963,
258.4789, 116.2764


 0.0000, 0.0000,
0.0000

 40.6123, 31.8230,
4.0020


 40.6123, 31.8230,
4.0020


 40.6123, 31.8234,
4.0020

 42.1981, 34.7442,
5.3039

 44.1214, 38.0395,
7.6443

 46.4466, 41.7428,
11.3393

 49.2126, 45.8763,
16.5732

 52.4526, 50.4592,
23.5012

■ 56.1958, 55.5095,
32.2593

■ 60.4688, 61.0435,
42.9694

■ 65.2961, 67.0766,
55.7429

■ 70.7004, 73.6235,
70.6827

Harmonies

Analogous

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



51.2263, 31.8230, 11.1245



40.6123, 31.8230, 4.0020



29.0634, 31.8230, 2.6921

Triad

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



40.6123, 31.8230, 4.0020



13.8455, 31.8230, 38.1990



43.1931, 31.8230, 112.3195

Complementary

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



40.6123, 31.8230, 4.0020



19.8235, 16.3422, 78.4528

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.



31.4619, 31.8230, 134.9361



40.6123, 31.8230, 4.0020



15.9565, 31.8230, 78.8378

Square

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



40.6123, 31.8230, 4.0020



15.1862, 31.8230, 14.1532



21.8146, 31.8230, 120.0111



52.9491, 31.8230, 68.9885

Rectangle

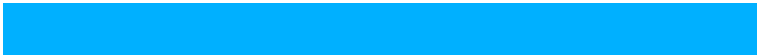
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.6123, 31.8230, 4.0020



22.7293, 31.8230, 3.6571



21.8146, 31.8230, 120.0111



39.2622, 31.8230, 123.4736

Sweetspot

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



40.6130, 31.8247, 4.0026



74.8456, 75.5333, 53.0178



35.9998, 18.2444, 15.8875



15.5231, 15.5301, 10.0825



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.



40.6130, 31.8247, 4.0026



50.2419, 39.2639, 4.9306



59.6794, 73.6026, 11.0616



15.0170, 15.6479, 15.1333



22.6740, 17.9222, 2.2643



1.7682, 1.5098, 0.1982

Inverse Universe

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



19.8235, 16.3422, 78.4528



24.4820, 20.0840, 97.1940



14.6624, 5.8763, 76.7047



14.1278, 14.9771, 18.2906



11.1279, 9.3179, 43.5952



0.9144, 0.8727, 3.2522

Previews

White Background



This preview shows how the XYZ color 40.6123, 31.8230, 4.0020 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 40.6123, 31.8230, 4.0020 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 40.6123, 31.8230, 4.0020

Background



This preview shows how black text looks on a background with the XYZ color 40.6123, 31.8230, 4.0020.



This preview shows how white text looks on a background with the XYZ color 40.6123, 31.8230,

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

40.6123, 31.8230, 4.0020

Protanopia

28.9067, 32.0425, 5.2774

Deuteranopia

32.5270, 32.0271, 4.4675



Tritanopia

44.4756, 31.7789, 22.8586

Trichromacy



Original Color

40.6123, 31.8230, 4.0020

Protanomaly

32.1370, 31.1408, 4.6648

Deuteranomaly

35.1009, 31.5869, 4.2469

Tritanomaly

42.2691, 31.4203, 11.2340

Monochromacy



Original Color

40.6123, 31.8230, 4.0020

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.3717, 27.4776, 13.7059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6123, 31.8230, 4.0020 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, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 125, 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(232, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 125, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.6123, 31.8230, 4.0020 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, 125, 0) }
```


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

```
.border{ border-color:rgb(232, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 125,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6123, 31.8230, 4.0020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 125, 0) }
```

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

```
.background{ background-color: rgb(232,  
125, 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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