

Converting Colors

XYZ(45.8032, 40.8467, 13.0603)

Have a look what the booklet for
XYZ(45.8032, 40.8467, 13.0603)
contains.

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Color

**XYZ(45.8024, 40.8449,
13.0592)**

Conversions

Conversions Part 1

Format	Color
Hex	E69B50
RGB	230, 155, 80
RGB Percent	90%, 61%, 31%
CMY	0.0980, 0.3921, 0.6863
CMYK	0.00, 0.33, 0.65, 0.10
HSL	30°, 75%, 61%
HSV	30°, 65%, 90%
XYZ	45.8024, 40.8449, 13.0592
YIQ	168.8750, 68.7750, -7.4250

Conversions

Conversions Part 2

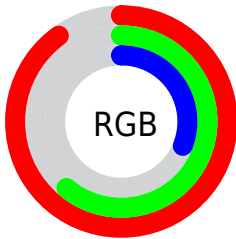
Format	Color
R _Y B	230, 230, 80
Decimal	15113040
CIE Lab	70.07, 21.02, 49.76
CIE LCh	70, 54.018, 67.098
Yxy	40.8449, 0.4594, 0.4097
Android (android.graphics.Color)	4293303120 (0xFFE69B50)
YUV	168.8750, -43.8154, 53.6066
Hunter-Lab	63.9100, 16.0831, 32.6219

Details

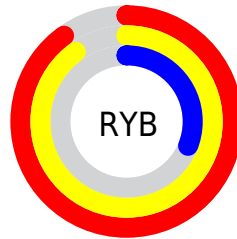
The XYZ color **45.8024, 40.8449, 13.0592** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **29.3117, 30.8596, 79.2739**, and the grayscale version is **37.8372, 39.8077, 43.3506**.

A 20% lighter version of the original color is **68.4515, 69.0191, 31.5440**, and **21.7496, 18.5354, 3.5938** is the 20% darker color. If you saturate the color by 10%, you get **43.2703, 36.9159, 8.7161**, and if you desaturate by 10%, it is **48.8095, 45.2588, 18.9958**.

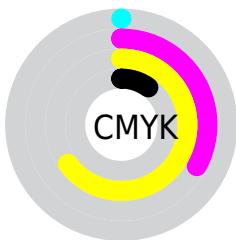
Distribution



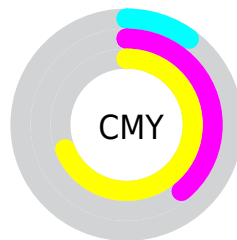
- Red (90%)
- Green (61%)
- Blue (31%)



- Red (90%)
- Yellow (90%)
- Blue (31%)



- Cyan (0%)
- Magenta (33%)
- Yellow (65%)
- Black (10%)





- Cyan (10%)
- Magenta (39%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8024, 40.8449, 13.0592 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 45.8024, 40.8449, 13.0592 by changing the saturation by 10% instead.

 45.8024, 40.8449,
13.0592

 45.8024, 40.8449,
13.0592


360.7429,
349.6720, 222.5179


 32.2939, 28.1979,
7.3381


 83.1529, 76.4484,
32.1028

 21.7427, 18.4749,
3.5928


 107.7255,
100.1737, 46.2625


 13.7835, 11.2915,
1.4047


 136.7170,
128.3605, 64.0721

 8.0509, 6.2632,
0.1454

 170.4925,
161.3933, 85.9501

 4.1796, 3.0058,
0.0000

 209.4175,
199.6565, 112.3152

 1.8043, 1.1348,
0.0000

253.8573,

 0.5202, 0.0074,

243.5344, 143.5858

0.0000

304.1774,
293.4114, 180.1805

■ 0.0000, 0.0000,
0.0000

■ 45.8024, 40.8449,
13.0592

■ 45.8024, 40.8449,
13.0592

■ 43.2703, 36.9159,
8.7161

■ 48.8095, 45.2588,
18.9958

■ 41.1740, 33.4432,
5.7986

■ 52.3202, 50.1719,
26.6659

■ 39.4712, 30.4028,
4.1047

■ 56.3640, 55.6051,
36.1967

■ 38.7646, 29.0863,
3.5711

■ 60.9667, 61.5761,
47.7027

■ 66.1525, 68.1013,
61.2890

■ 71.9439, 75.1967,
77.0533

■ 78.3619, 82.8772,
95.0870

■ 83.9433, 90.5638,
107.6640

■ 86.4429, 95.5629,
108.4972

Harmonies

Analogous

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



53.9798, 40.8449, 21.1395



45.8024, 40.8449, 13.0592



36.7638, 40.8449, 11.5910

Triad

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



45.8024, 40.8449, 13.0592



24.3078, 40.8449, 50.7486



49.9756, 40.8449, 95.5474

Complementary

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



45.8024, 40.8449, 13.0592



29.3117, 30.8596, 79.2739

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.



40.9553, 40.8449, 112.1754



45.8024, 40.8449, 13.0592



26.8057, 40.8449, 80.6717

Square

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



45.8024, 40.8449, 13.0592



25.2018, 40.8449, 28.1237



32.5892, 40.8449, 105.8921



56.6327, 40.8449, 66.1776

Rectangle

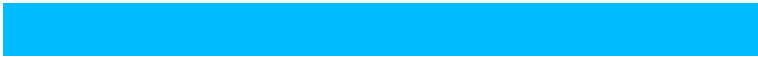
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8024, 40.8449, 13.0592



31.5980, 40.8449, 13.7345



32.5892, 40.8449, 105.8921



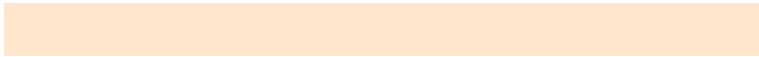
47.0704, 40.8449, 103.2349

Sweetspot

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



45.8034, 40.8470, 13.0600



80.2975, 81.9365, 68.7099



41.4181, 24.9271, 33.6391



16.7965, 17.0445, 13.6895



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.



45.8034, 40.8470, 13.0600



53.7707, 45.1753, 9.6399



62.3775, 73.9953, 18.5847



14.9694, 15.5528, 15.1175



22.0689, 16.7119, 2.0626



1.7237, 1.4207, 0.1834

Inverse Universe

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



29.3117, 30.8596, 79.2739



31.4983, 31.6872, 99.0638



20.4601, 13.1563, 76.3234



14.1752, 15.0718, 18.3064



11.6788, 10.4197, 43.7788



0.9559, 0.9558, 3.2661

Previews

White Background



This preview shows how the XYZ color 45.8024, 40.8449, 13.0592 looks on a white background.

Color Contrast Check

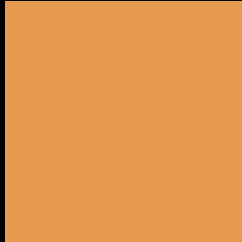
Large Text (above 18pt) WCAG AA × Fail

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 45.8024, 40.8449, 13.0592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

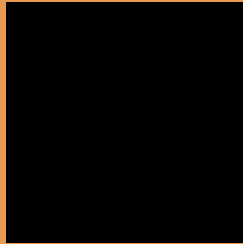
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8024, 40.8449, 13.0592

Background



This preview shows how black text looks on a background with the XYZ color 45.8024, 40.8449, 13.0592.



This preview shows how white text looks on a background with the XYZ color 45.8024, 40.8449,

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

45.8024, 40.8449, 13.0592

Protanopia

37.6274, 41.1081, 14.5458

Deuteranopia

41.6237, 40.7415, 12.8778



Tritanopia

50.6256, 40.6543, 37.0771

Trichromacy



Original Color

45.8024, 40.8449, 13.0592

Protanomaly

40.3744, 40.8761, 13.9455

Deuteranomaly

43.1955, 40.7662, 12.9891

Tritanomaly

48.3142, 40.4035, 26.0211

Monochromacy



Original Color

45.8024, 40.8449, 13.0592

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.2767, 39.4334, 29.2082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8024, 40.8449, 13.0592 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(230, 155, 80)` looks like.

```
.text, #text, p{  
    color:rgb(230, 155, 80)  
}
```

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(230, 155, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 155, 80) }
```

Border

The CSS property to change the border of an element to XYZ 45.8024, 40.8449, 13.0592 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(230, 155, 80) }
```


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

```
.border{ border-color:rgb(230, 155, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 155, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 155, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 155, 80);  
box-shadow:4px 4px 4px 4px rgb(230, 155,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8024, 40.8449, 13.0592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 155, 80) }
```

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

```
.background{ background-color: rgb(230,  
155, 80) }
```

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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