

Converting Colors

XYZ(45.6881, 40.2065, 16.1208)

Have a look what the booklet for
XYZ(45.6881, 40.2065, 16.1208)
contains.

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Color

**XYZ(45.7699, 40.2667,
16.1864)**

Conversions

Conversions Part 1

Format	Color
Hex	E5995F
RGB	229, 153, 95
RGB Percent	90%, 60%, 37%
CMY	0.1020, 0.4000, 0.6274
CMYK	0.00, 0.33, 0.59, 0.10
HSL	26°, 72%, 64%
HSV	26°, 59%, 90%
XYZ	45.7699, 40.2667, 16.1864
YIQ	169.1120, 63.9140, -1.9260

Conversions

Conversions Part 2

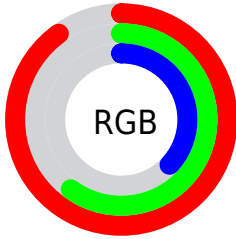
Format	Color
R _Y B	229, 197, 95
Decimal	15047007
CIE Lab	69.66, 22.69, 41.74
CIE LCh	70, 47.507, 61.474
Yxy	40.2667, 0.4477, 0.3939
Android (android.graphics.Color)	4293237087 (0xFFE5995F)
YUV	169.1120, -36.5372, 52.5218
Hunter-Lab	63.4560, 17.7013, 29.2955

Details

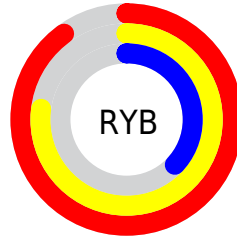
The XYZ color **45.7699, 40.2667, 16.1864** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **33.4243, 37.2141, 79.5498**, and the grayscale version is **37.9215, 39.8964, 43.4471**.

A 20% lighter version of the original color is **69.0623, 68.4783, 37.1814**, and **21.8221, 18.2460, 4.9565** is the 20% darker color. If you saturate the color by 10%, you get **42.8669, 35.8889, 10.8163**, and if you desaturate by 10%, it is **49.2122, 45.2336, 23.2462**.

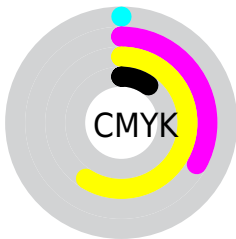
Distribution



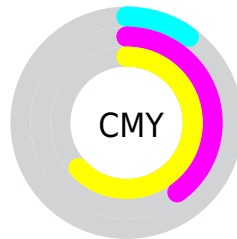
- Red (90%)
- Green (60%)
- Blue (37%)



- Red (90%)
- Yellow (77%)
- Blue (37%)



- Cyan (0%)
- Magenta (33%)
- Yellow (59%)
- Black (10%)





- Cyan (10%)
- Magenta (40%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7699, 40.2667, 16.1864 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 45.7699, 40.2667, 16.1864 by changing the saturation by 10% instead.


 45.7699, 40.2667,
16.1864


 45.7699, 40.2667,
16.1864


360.6143,
347.2464, 242.3223


 32.2681, 27.7465,
9.5004

 83.1045, 75.5695,
37.6928

 21.7229, 18.1347,
4.9677


 107.6681, 99.1209,
53.3502

 13.7689, 11.0467,
2.1699

 136.6496,
127.1181, 72.8352

 8.0407, 6.0983,
0.6569

 170.4144,
159.9457, 96.5663

 4.1731, 2.9049,
0.0000

209.3280,
197.9879, 124.9620

 1.8005, 1.0823,
0.0000

253.7556,

 0.5180, 0.0000,

241.6291, 158.4409

0.0000

304.0625,
291.2538, 197.4214

0.0000, 0.0000,
0.0000

45.7699, 40.2667,
16.1864

45.7699, 40.2667,
16.1864

42.8669, 35.8889,
10.8163

49.2122, 45.2336,
23.2462

40.4651, 32.0684,
6.9852

53.2221, 50.8075,
32.1238

38.5252, 28.7787,
4.5194

57.8294, 57.0126,
42.9375

36.9909, 25.9840,
3.1635

63.0605, 63.8697,
55.7949

36.7870, 25.6060,
3.0036

68.9401, 71.3989,
70.7956

■ 75.4916, 79.6190,
88.0325

■ 82.6884, 88.5288,
107.3374

■ 86.1230, 95.3979,
108.4822

Harmonies

Analogous

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



52.3055, 40.2667, 25.2555



45.7699, 40.2667, 16.1864



37.8936, 40.2667, 13.6907

Triad

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



45.7699, 40.2667, 16.1864



25.3219, 40.2667, 44.9408



46.5154, 40.2667, 90.7342

Complementary

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



45.7699, 40.2667, 16.1864



33.4243, 37.2141, 79.5498

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.



38.6535, 40.2667, 101.1984



45.7699, 40.2667, 16.1864



27.0045, 40.2667, 69.8517

Square

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



45.7699, 40.2667, 16.1864



26.7044, 40.2667, 26.5830



31.6417, 40.2667, 92.5129



52.7749, 40.2667, 67.3121

Rectangle

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



45.7699, 40.2667, 16.1864



33.1148, 40.2667, 15.0806



31.6417, 40.2667, 92.5129



43.9392, 40.2667, 96.1788

Sweetspot

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



45.7709, 40.2687, 16.1872



80.7718, 81.8899, 71.9357



43.9643, 27.8663, 42.6816



16.8500, 16.9585, 14.3027



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.



45.7709, 40.2687, 16.1872



54.0794, 44.8236, 12.7305



59.4067, 67.5405, 20.7325



14.8876, 15.3890, 15.0902



21.1477, 14.8696, 1.7555



1.6536, 1.2806, 0.1600

Inverse Universe

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



33.4243, 37.2141, 79.5498



36.9374, 40.5111, 100.4804



24.0337, 18.4329, 76.4196



14.2578, 15.2369, 18.3339



12.7624, 12.5869, 44.1400



1.0350, 1.1140, 3.2924

Previews

White Background



This preview shows how the XYZ color 45.7699, 40.2667, 16.1864 looks on a white background.

Color Contrast Check

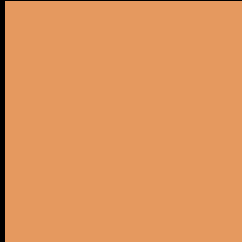
Large Text (above 18pt) WCAG AA × Fail

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 45.7699, 40.2667, 16.1864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

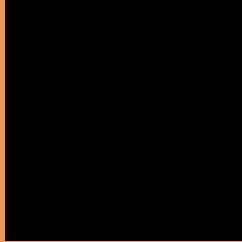
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7699, 40.2667, 16.1864

Background



This preview shows how black text looks on a background with the XYZ color 45.7699, 40.2667, 16.1864.



This preview shows how white text looks on a background with the XYZ color 45.7699, 40.2667,

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

45.7699, 40.2667, 16.1864

Protanopia

37.4054, 40.6302, 18.1829

Deuteranopia

41.3675, 40.5400, 16.0006



Tritanopia

50.2113, 40.4505, 36.6138

Trichromacy



Original Color

45.7699, 40.2667, 16.1864

Protanomaly

39.8847, 40.0083, 17.4246

Deuteranomaly

42.7374, 40.2034, 16.0972

Tritanomaly

48.3292, 40.3719, 27.7996

Monochromacy



Original Color

45.7699, 40.2667, 16.1864

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.4655, 39.2237, 31.0821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7699, 40.2667, 16.1864 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(229, 153, 95)` looks like.

```
.text, #text, p{  
    color:rgb(229, 153, 95)  
}
```

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(229, 153, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 153, 95) }
```

Border

The CSS property to change the border of an element to XYZ 45.7699, 40.2667, 16.1864 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(229, 153, 95) }
```


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

```
.border{ border-color:rgb(229, 153, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 153, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 153, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 153, 95);  
box-shadow:4px 4px 4px 4px rgb(229, 153,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7699, 40.2667, 16.1864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 153, 95) }
```

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

```
.background{ background-color: rgb(229,  
153, 95) }
```

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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