

Converting Colors

XYZ(40.4462, 32.2758, 5.8480)

Have a look what the booklet for
XYZ(40.4462, 32.2758, 5.8480)
contains.

XYZ(40.3662, 32.2299, 5.8437)	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(40.3662, 32.2299,
5.8437)**

Conversions

Conversions Part 1

Format	Color
Hex	E58025
RGB	229, 128, 37
RGB Percent	90%, 50%, 15%
CMY	0.1020, 0.4980, 0.8549
CMYK	0.00, 0.44, 0.84, 0.10
HSL	28°, 79%, 52%
HSV	28°, 84%, 90%
XYZ	40.3662, 32.2299, 5.8437
YIQ	147.8250, 89.4070, -6.8890

Conversions

Conversions Part 2

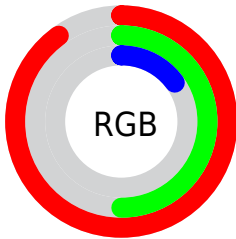
Format	Color
R _Y B	229, 210, 37
Decimal	15040549
CIE Lab	63.53, 33.02, 61.68
CIE LCh	64, 69.967, 61.838
Yxy	32.2299, 0.5146, 0.4109
Android (android.graphics.Color)	4293230629 (0xFFE58025)
YUV	147.8250, -54.6367, 71.1905
Hunter-Lab	56.7714, 27.5691, 33.6370

Details

The XYZ color **40.3662, 32.2299, 5.8437** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **23.9937, 24.2261, 77.5397**, and the grayscale version is **28.2707, 29.7430, 32.3902**.

A 20% lighter version of the original color is **59.8563, 55.4712, 17.4498**, and **18.5902, 13.5232, 1.6304** is the 20% darker color. If you saturate the color by 10%, you get **38.6338, 29.1717, 4.0136**, and if you desaturate by 10%, it is **42.5117, 35.7546, 8.9223**.

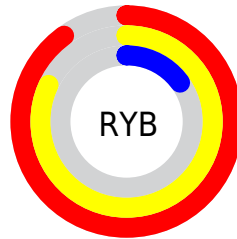
Distribution



Red (90%)

Green (50%)

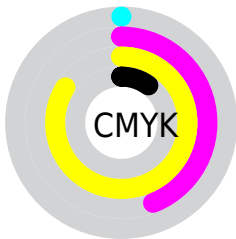
Blue (15%)



Red (90%)

Yellow (82%)

Blue (15%)

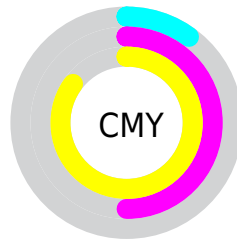


Cyan (0%)

Magenta (44%)

Yellow (84%)

Black (10%)



Cyan (10%)


Magenta (50%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3662, 32.2299, 5.8437 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 40.3662, 32.2299, 5.8437 by changing the saturation by 10% instead.


 40.3662, 32.2299,
5.8437

 40.3662, 32.2299,
5.8437


338.7727,
312.1652, 166.9254


 28.0097, 21.5372,
2.6830

 75.0016, 63.1713,
18.0776


 18.4734, 13.5172,
0.9349


 98.0112, 84.1888,
27.9880


 11.3922, 7.7857,
0.0000


 125.3026,
109.4166, 40.9853

 6.4005, 3.9581,
0.0000

 157.2410,
139.2392, 57.4881

 3.1331, 1.6502,
0.0000

 194.1918,
174.0410, 77.9150

 1.2245, 0.3911,
0.0000

 236.5205,

 0.1256, 0.0000,

214.2063, 102.6845

0.0000

284.5923,
260.1196, 132.2151

■ 0.0000, 0.0000,
0.0000

■ 40.3662, 32.2299,
5.8437

■ 40.3662, 32.2299,
5.8437

■ 38.6338, 29.1717,
4.0136

■ 42.5117, 35.7546,
8.9223

■ 37.7329, 27.4979,
3.3189

■ 45.1108, 39.7677,
13.4421

■ 48.2002, 44.2948,
19.5641

■ 51.8115, 49.3574,
27.4269

■ 55.9732, 54.9756,
37.1539

■ 60.7115, 61.1683,
48.8573

■ 66.0508, 67.9533,
62.6403

■ 72.0138, 75.3475,
78.5988

■ 78.6219, 83.3669,
96.8227

Harmonies

Analogous

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



49.4908, 32.2299, 13.6987



40.3662, 32.2299, 5.8437



30.0359, 32.2299, 4.1291

Triad

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



40.3662, 32.2299, 5.8437



15.4507, 32.2299, 36.8441



41.6316, 32.2299, 103.3686

Complementary

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



40.3662, 32.2299, 5.8437



23.9937, 24.2261, 77.5397

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.



31.2391, 32.2299, 120.8185



40.3662, 32.2299, 5.8437



17.3021, 32.2299, 71.7417

Square

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



40.3662, 32.2299, 5.8437



16.8943, 32.2299, 15.3553



22.6064, 32.2299, 106.9495



50.3237, 32.2299, 67.0414

Rectangle

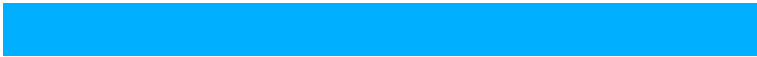
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.3662, 32.2299, 5.8437



24.1727, 32.2299, 5.1180



22.6064, 32.2299, 106.9495



38.1538, 32.2299, 112.3008

Sweetspot

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



40.3669, 32.2316, 5.8443



76.6514, 76.9923, 60.2556



37.6641, 19.8571, 26.4277



15.9382, 15.8708, 11.7297



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.



40.3669, 32.2316, 5.8443



48.0612, 34.9024, 4.2037



58.9276, 69.3530, 12.0312



14.9376, 15.4891, 15.1068



21.6927, 15.9595, 1.9372



1.6955, 1.3642, 0.1740

Inverse Universe

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



23.9937, 24.2261, 77.5397



26.5935, 24.3070, 97.8978



15.7844, 7.8077, 74.8033



14.2071, 15.1357, 18.3170



12.0794, 11.2209, 43.9124



0.9855, 1.0150, 3.2759

Previews

White Background



This preview shows how the XYZ color 40.3662, 32.2299, 5.8437 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 40.3662, 32.2299, 5.8437 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 40.3662, 32.2299, 5.8437

Background



This preview shows how black text looks on a background with the XYZ color 40.3662, 32.2299, 5.8437.



This preview shows how white text looks on a background with the XYZ color 40.3662, 32.2299,

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

40.3662, 32.2299, 5.8437

Protanopia

29.4095, 32.5088, 7.1076

Deuteranopia

32.9942, 32.2437, 5.5833



Tritanopia

44.2170, 32.3151, 24.3290

Trichromacy



Original Color

40.3662, 32.2299, 5.8437

Protanomaly

32.5180, 31.7483, 6.5120

Deuteranomaly

35.2121, 31.8296, 5.5842

Tritanomaly

42.4272, 32.1479, 14.7955

Monochromacy



Original Color

40.3662, 32.2299, 5.8437

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.3631, 29.4796, 18.2772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3662, 32.2299, 5.8437 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, 128, 37)` looks like.

```
.text, #text, p{  
    color:rgb(229, 128, 37)  
}
```

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, 128, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 128, 37) }
```

Border

The CSS property to change the border of an element to XYZ 40.3662, 32.2299, 5.8437 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, 128, 37) }
```


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

```
.border{ border-color:rgb(229, 128, 37) }
```

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

Here you see how a box with a 4 pixel rgb(229, 128, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 128, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 128, 37);  
box-shadow:4px 4px 4px 4px rgb(229, 128,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3662, 32.2299, 5.8437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 128, 37) }
```

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

```
.background{ background-color: rgb(229,  
128, 37) }
```

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