

Converting Colors

XYZ(40.5814, 32.8071, 4.6864)

Have a look what the booklet for
XYZ(40.5814, 32.8071, 4.6864)
contains.

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Color

**XYZ(40.3893, 32.6607,
4.6656)**

Conversions

Conversions Part 1

Format	Color
Hex	E58210
RGB	229, 130, 16
RGB Percent	90%, 51%, 6%
CMY	0.1020, 0.4902, 0.9372
CMYK	0.00, 0.43, 0.93, 0.10
HSL	32°, 87%, 48%
HSV	32°, 93%, 90%
XYZ	40.3893, 32.6607, 4.6656
YIQ	146.6050, 95.5980, -14.4660

Conversions

Conversions Part 2

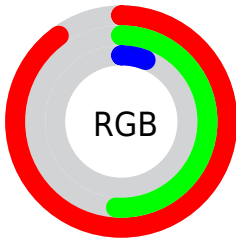
Format	Color
R _Y B	201, 229, 16
Decimal	15041040
CIE Lab	63.89, 31.57, 67.75
CIE LCh	64, 74.743, 65.012
Yxy	32.6607, 0.5197, 0.4203
Android (android.graphics.Color)	4293231120 (0xFFE58210)
YUV	146.6050, -64.3883, 72.2604
Hunter-Lab	57.1495, 26.1396, 35.1643

Details

The XYZ color **40.3893, 32.6607, 4.6656** 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 **20.4872, 18.0287, 76.5283**, and the grayscale version is **27.8009, 29.2487, 31.8519**.

A 20% lighter version of the original color is **59.7556, 56.0910, 14.8849**, and **18.7323, 13.8075, 1.6778** is the 20% darker color. If you saturate the color by 10%, you get **39.3423, 30.7167, 3.8554**, and if you desaturate by 10%, it is **42.1509, 35.7505, 6.5903**.

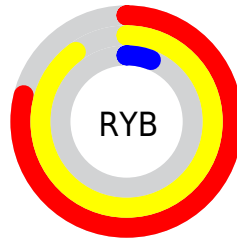
Distribution



Red (90%)

Green (51%)

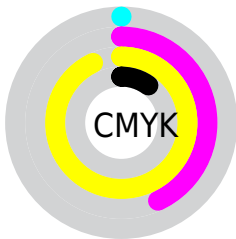
Blue (6%)



Red (79%)

Yellow (90%)

Blue (6%)

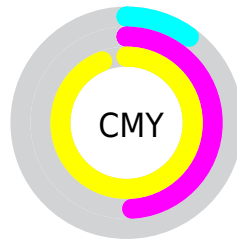


Cyan (0%)

Magenta (43%)

Yellow (93%)

Black (10%)



Cyan (10%)


Magenta (49%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3893, 32.6607, 4.6656 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 40.3893, 32.6607, 4.6656 by changing the saturation by 10% instead.


 40.3893, 32.6607,
4.6656


 40.3893, 32.6607,
4.6656


338.8680,
314.1181, 155.3588


 28.0278, 21.8666,
1.9971


 75.0365, 63.8454,
15.5179

 18.4872, 13.7589,
0.5535


 98.0530, 85.0049,
24.5388

 11.4021, 7.9532,
0.0000


 125.3517,
110.3883, 36.5142

 6.4073, 4.0650,
0.0000

 157.2982,
140.3800, 51.8628

 3.1373, 1.7100,
0.0000

 194.2577,
175.3645, 71.0030

 1.2268, 0.4301,
0.0000

 236.5956,

 0.1273, 0.0000,

215.7260, 94.3533

0.0000

284.6773,
261.8491, 122.3324

0.0000, 0.0000,
0.0000

40.3893, 32.6607,
4.6656

40.3893, 32.6607,
4.6656

39.3423, 30.7167,
3.8554

42.1509, 35.7505,
6.5903

44.2910, 39.2313,
9.7677

46.8501, 43.1274,
14.3885

49.8619, 47.4585,
20.6103

53.3558, 52.2423,
28.5694

■ 57.3583, 57.4953,
38.3879

■ 61.8939, 63.2329,
50.1765

■ 66.9850, 69.4696,
64.0371

■ 72.6528, 76.2192,
80.0646

Harmonies

Analogous

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



50.7178, 32.6607, 11.6137



40.3893, 32.6607, 4.6656



29.3101, 32.6607, 3.4482

Triad

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



40.3893, 32.6607, 4.6656



14.9458, 32.6607, 40.8638



44.1460, 32.6607, 107.1767

Complementary

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



40.3893, 32.6607, 4.6656



20.4872, 18.0287, 76.5283

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.



32.8429, 32.6607, 130.0309



40.3893, 32.6607, 4.6656



17.2553, 32.6607, 80.1950

Square

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



40.3893, 32.6607, 4.6656



16.0886, 32.6607, 16.2837



23.2627, 32.6607, 118.0808



53.2075, 32.6607, 66.0525

Rectangle

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



40.3893, 32.6607, 4.6656



23.2562, 32.6607, 4.6683



23.2627, 32.6607, 118.0808



40.3987, 32.6607, 118.0574

Sweetspot

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



40.3900, 32.6624, 4.6662



75.9221, 76.8485, 55.9596



35.6161, 18.2758, 17.9920



15.7277, 15.7820, 10.6356



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.



40.3900, 32.6624, 4.6662



50.1124, 39.0049, 4.8875



58.2062, 71.5894, 11.2408



15.0126, 15.6391, 15.1319



22.6159, 17.8060, 2.2449



1.7640, 1.5013, 0.1968

Inverse Universe

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



20.4872, 18.0287, 76.5283



24.5894, 20.2988, 97.2298



14.6840, 6.2113, 74.5532



14.1322, 14.9858, 18.2920



11.1765, 9.4151, 43.6114



0.9181, 0.8801, 3.2535

Previews

White Background



This preview shows how the XYZ color 40.3893, 32.6607, 4.6656 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 40.3893, 32.6607, 4.6656 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 40.3893, 32.6607, 4.6656

Background



This preview shows how black text looks on a background with the XYZ color 40.3893, 32.6607, 4.6656.



This preview shows how white text looks on a background with the XYZ color 40.3893, 32.6607,

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

40.3893, 32.6607, 4.6656

Protanopia

29.7325, 32.9568, 5.6584

Tritanopia

44.4709, 32.6101, 25.0696

Trichromacy



Original Color

40.3893, 32.6607, 4.6656

Protanomaly

33.0748, 32.5237, 5.2439

Tritanomaly

42.2895, 32.2924, 13.4553

Monochromacy



Original Color

40.3893, 32.6607, 4.6656

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.9085, 29.2977, 15.8831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3893, 32.6607, 4.6656 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, 130, 16)` looks like.

```
.text, #text, p{  
    color:rgb(229, 130, 16)  
}
```

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, 130, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 130, 16) }
```

Border

The CSS property to change the border of an element to XYZ 40.3893, 32.6607, 4.6656 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, 130, 16) }
```

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

```
.border{ border-color:rgb(229, 130, 16) }
```

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

Here you see how a box with a 4 pixel rgb(229, 130, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 130, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 130, 16);  
box-shadow:4px 4px 4px 4px rgb(229, 130,  
16) }
```


Background

The CSS property to change the background color of an element to XYZ 40.3893, 32.6607, 4.6656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 130, 16) }
```

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

```
.background{ background-color: rgb(229,  
130, 16) }
```

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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