

Converting Colors

XYZ(39.9398, 28.6555, 7.7996)

Have a look what the booklet for
XYZ(39.9398, 28.6555, 7.7996)
contains.

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Color

**XYZ(39.9152, 28.5978,
7.8311)**

Conversions

Conversions Part 1

Format	Color
Hex	E96D3D
RGB	233, 109, 61
RGB Percent	91%, 43%, 24%
CMY	0.0863, 0.5725, 0.7608
CMYK	0.00, 0.53, 0.74, 0.09
HSL	17°, 80%, 58%
HSV	17°, 74%, 91%
XYZ	39.9152, 28.5978, 7.8311
YIQ	140.6040, 89.3120, 11.3600

Conversions

Conversions Part 2

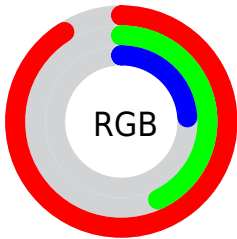
Format	Color
R_{YB}	233, 128, 61
Decimal	15297853
CIE _{Lab}	60.43, 45.01, 48.59
CIE _{LCh}	60, 66.237, 47.192
Yxy	28.5978, 0.5228, 0.3746
Android (android.graphics.Color)	4293487933 (0xFFE96D3D)
YUV	140.6040, -39.2448, 81.0313
Hunter-Lab	53.4769, 39.6479, 28.7515

Details

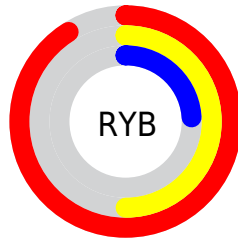
The XYZ color **39.9152, 28.5978, 7.8311** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **33.9801, 41.5705, 83.3232**, and the grayscale version is **25.2875, 26.6044, 28.9722**.

A 20% lighter version of the original color is **57.2064, 48.6021, 21.4050**, and **18.2692, 11.5104, 1.5755** is the 20% darker color. If you saturate the color by 10%, you get **37.7945, 25.1524, 4.6715**, and if you desaturate by 10%, it is **42.6520, 32.8401, 12.5404**.

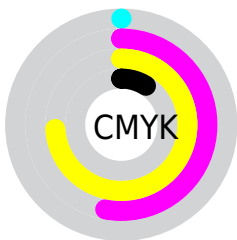
Distribution



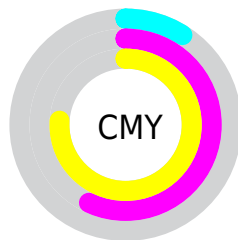
- Red (91%)
- Green (43%)
- Blue (24%)



- Red (91%)
- Yellow (50%)
- Blue (24%)



- Cyan (0%)
- Magenta (53%)
- Yellow (74%)
- Black (9%)





- Cyan (9%)
- Magenta (57%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9152, 28.5978, 7.8311 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 39.9152, 28.5978, 7.8311 by changing the saturation by 10% instead.


 39.9152, 28.5978,
7.8311


 39.9152, 28.5978,
7.8311


336.9066,
295.3125, 184.2860


 27.6563, 18.7768,
3.9008


 74.3195, 57.4375,
22.1673


 18.2059, 11.5091,
1.5711


 97.1957, 77.2249,
33.4104

 11.1985, 6.4104,
0.2701


 124.3417,
101.1032, 47.9282

 6.2688, 3.0962,
0.0000

 156.1229,
129.4569, 66.1391

 3.0514, 1.1821,
0.0000

 192.9046,
162.6702, 88.4619

 1.1810, 0.0471,
0.0000

 235.0523,

 0.0913, 0.0000,

201.1277, 115.3149

0.0000

282.9311,
245.2137, 147.1168

■ 0.0000, 0.0000,
0.0000

■ 39.9152, 28.5978,
7.8311

■ 39.9152, 28.5978,
7.8311

■ 37.7945, 25.1524,
4.6715

■ 42.6520, 32.8401,
12.5404

■ 36.2303, 22.4448,
2.8527


■ 46.0523, 37.9231,
18.9692


■ 35.4962, 21.1078,
2.2034


■ 50.1608, 43.8929,
27.2662


■ 55.0171, 50.7904,
37.5638

■ 60.6580, 58.6540,
49.9819

 67.1176, 67.5199,
64.6311

 74.4280, 77.4222,
81.6143

 82.6195, 88.3936,
101.0279

 87.4140, 96.0635,
108.5426

Harmonies

Analogous

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



46.0466, 28.5978, 19.2187



39.9152, 28.5978, 7.8311



30.9806, 28.5978, 4.1262

Triad

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



39.9152, 28.5978, 7.8311



14.1229, 28.5978, 21.8452



32.3214, 28.5978, 100.9893

Complementary

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



39.9152, 28.5978, 7.8311



33.9801, 41.5705, 83.3232

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.



23.7061, 28.5978, 103.0400



39.9152, 28.5978, 7.8311



14.3338, 28.5978, 47.1820

Square

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



39.9152, 28.5978, 7.8311



16.8396, 28.5978, 8.8873



17.4924, 28.5978, 79.8545



41.0720, 28.5978, 75.1897

Rectangle

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



39.9152, 28.5978, 7.8311



25.1799, 28.5978, 3.9220



17.4924, 28.5978, 79.8545



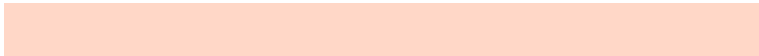
29.2862, 28.5978, 104.8244

Sweetspot

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



39.9158, 28.5994, 7.8316



75.7252, 73.7549, 64.2169



44.2568, 24.2548, 49.4376



15.7736, 15.1857, 12.7720



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.



39.9158, 28.5994, 7.8316



45.2250, 28.8937, 4.2952



53.4869, 55.7414, 12.3553



15.4077, 15.7384, 15.7445



20.2313, 12.1568, 1.2802



1.6673, 1.1120, 0.1268

Inverse Universe

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



33.9801, 41.5705, 83.3232



37.3046, 45.0162, 101.3306



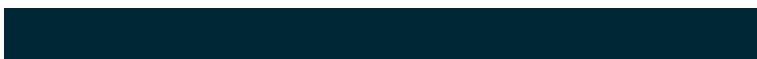
21.2992, 16.2088, 79.0963



15.1417, 16.3698, 19.2839



16.3973, 19.4416, 46.6313



1.3679, 1.6873, 3.6885

Previews

White Background



This preview shows how the XYZ color 39.9152, 28.5978, 7.8311 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9152, 28.5978, 7.8311 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 × Fail

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

XYZ 39.9152, 28.5978, 7.8311

Background



This preview shows how black text looks on a background with the XYZ color 39.9152, 28.5978, 7.8311.



This preview shows how white text looks on a background with the XYZ color 39.9152, 28.5978,

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

39.9152, 28.5978, 7.8311

Protanopia

26.3489, 28.7070, 10.2832

Deuteranopia

29.1666, 28.6674, 7.3643



Tritanopia

41.9257, 28.4885, 18.0409

Trichromacy



Original Color

39.9152, 28.5978, 7.8311

Protanomaly

30.1700, 27.8838, 9.2608

Deuteranomaly

32.5204, 28.1414, 7.4592

Tritanomaly

40.9150, 28.3683, 13.4444

Monochromacy



Original Color

39.9152, 28.5978, 7.8311

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

28.2304, 25.8690, 18.8346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9152, 28.5978, 7.8311 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(233, 109, 61)` looks like.

```
.text, #text, p{  
    color:rgb(233, 109, 61)  
}
```

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(233, 109, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 109, 61) }
```

Border

The CSS property to change the border of an element to XYZ 39.9152, 28.5978, 7.8311 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(233, 109, 61) }
```


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

```
.border{ border-color:rgb(233, 109, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 109, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 109, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 109, 61);  
box-shadow:4px 4px 4px 4px rgb(233, 109,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9152, 28.5978, 7.8311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 109, 61) }
```

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

```
.background{ background-color: rgb(233,  
109, 61) }
```

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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