

Converting Colors

XYZ(38.0778, 28.1978, 4.9492)

Have a look what the booklet for
XYZ(38.0778, 28.1978, 4.9492)
contains.

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Color

**XYZ(38.0778, 28.1978,
4.9492)**

Conversions

Conversions Part 1

Format	Color
Hex	E47022
RGB	228, 112, 34
RGB Percent	89%, 44%, 13%
CMY	0.1059, 0.5608, 0.8667
CMYK	0.00, 0.51, 0.85, 0.11
HSL	24°, 78%, 51%
HSV	24°, 85%, 89%
XYZ	38.0778, 28.1978, 4.9492
YIQ	137.7920, 94.1740, 0.3340

Conversions

Conversions Part 2

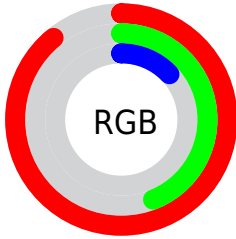
Format	Color
RYB	228, 164, 34
Decimal	14970914
CIELab	60.07, 40.72, 59.77
CIELCh	60, 72.325, 55.737
Yxy	28.1978, 0.5346, 0.3959
Android (android.graphics.Color)	4293160994 (0xFFE47022)
YUV	137.7920, -51.1695, 79.1124
Hunter-Lab	53.1016, 35.0700, 31.6451

Details

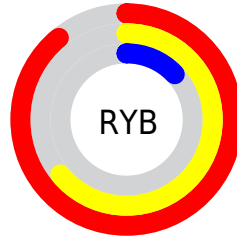
The XYZ color **38.0778, 28.1978, 4.9492** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **25.5688, 27.7526, 77.4074**, and the grayscale version is **24.2429, 25.5054, 27.7754**.

A 20% lighter version of the original color is **56.5965, 49.2206, 15.5344**, and **17.1858, 11.3368, 1.2824** is the 20% darker color. If you saturate the color by 10%, you get **36.4591, 25.3242, 3.2893**, and if you desaturate by 10%, it is **40.1431, 31.6170, 7.8321**.

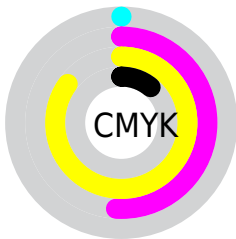
Distribution



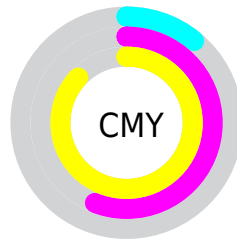
- Red (89%)
- Green (44%)
- Blue (13%)



- Red (89%)
- Yellow (64%)
- Blue (13%)



- Cyan (0%)
- Magenta (51%)
- Yellow (85%)
- Black (11%)





- Cyan (11%)
- Magenta (56%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0778, 28.1978, 4.9492 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 38.0778, 28.1978, 4.9492 by changing the saturation by 10% instead.


 38.0778, 28.1978,
4.9492


 38.0778, 28.1978,
4.9492


329.2287,
293.4109, 158.2544

 26.2206, 18.4748,
2.1593


 71.5305, 56.8001,
16.1457


 17.1223, 11.2914,
0.6507


 93.8567, 76.4482,
25.3893


 10.4175, 6.2632,
0.0000


 120.4032,
100.1734, 37.6212

 5.7411, 3.0058,
0.0000

 151.5355,
128.3602, 53.2600

 2.7274, 1.1347,
0.0000

 187.6188,
161.3930, 72.7242

 1.0113, 0.0074,
0.0000

 229.0185,

 0.0000, 0.0000,

199.6561, 96.4323

0.0000

276.1000,
243.5339, 124.8028

■ 38.0778, 28.1978,
4.9492

■ 38.0778, 28.1978,
4.9492

■ 36.4591, 25.3242,
3.2893

■ 40.1431, 31.6170,
7.8321

■ 35.7938, 24.0922,
2.7637

■ 42.7000, 35.6113,
12.1359

■ 45.7885, 40.2123,
18.0238

■ 49.4432, 45.4476,
25.6364

■ 53.6955, 51.3427,
35.0982

■ 58.5741, 57.9216,
46.5224

■ 64.1056, 65.2069,
60.0127

■ 70.3152, 73.2200,
75.6658

■ 77.2264, 81.9815,
93.5720

Harmonies

Analogous

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



46.1625, 28.1978, 13.5061



38.0778, 28.1978, 4.9492



28.1414, 28.1978, 2.7989

Triad

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



38.0778, 28.1978, 4.9492



12.7197, 28.1978, 27.0793



35.2640, 28.1978, 102.9513

Complementary

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



38.0778, 28.1978, 4.9492



25.5688, 27.7526, 77.4074

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.



25.5042, 28.1978, 114.3195



38.0778, 28.1978, 4.9492



13.7890, 28.1978, 58.4629

Square

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



38.0778, 28.1978, 4.9492



14.6530, 28.1978, 10.0654



18.0046, 28.1978, 94.7216



44.2938, 28.1978, 69.0970

Rectangle

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



38.0778, 28.1978, 4.9492



22.2729, 28.1978, 3.1715



18.0046, 28.1978, 94.7216



31.9050, 28.1978, 110.1355

Sweetspot

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



38.0784, 28.1993, 4.9497



74.7847, 73.7049, 58.2584



38.1041, 19.8530, 30.8474



15.5245, 15.1287, 11.3290



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.



38.0784, 28.1993, 4.9497



46.0440, 30.8679, 3.5313



54.9858, 62.0140, 10.5855



14.8503, 15.3144, 15.0777



20.7778, 14.1297, 1.6322



1.6244, 1.2222, 0.1503

Inverse Universe

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



25.5688, 27.7526, 77.4074



29.3541, 29.8282, 98.8180



15.9548, 8.5246, 74.2027



14.2959, 15.3131, 18.3466



13.3154, 13.6929, 44.3244



1.0744, 1.1927, 3.3056

Previews

White Background



This preview shows how the XYZ color 38.0778, 28.1978, 4.9492 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 38.0778, 28.1978, 4.9492 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 38.0778, 28.1978, 4.9492

Background



This preview shows how black text looks on a background with the XYZ color 38.0778, 28.1978, 4.9492.



This preview shows how white text looks on a background with the XYZ color 38.0778, 28.1978,

4.9492.

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

38.0778, 28.1978, 4.9492

Protanopia

25.8192, 28.5187, 6.4293

Deuteranopia

28.7345, 28.2913, 4.5624



Tritanopia

40.9312, 28.2619, 18.6270

Trichromacy



Original Color

38.0778, 28.1978, 4.9492

Protanomaly

29.4016, 27.7682, 5.8176

Deuteranomaly

31.5683, 27.9086, 4.5872

Tritanomaly

39.5959, 28.1882, 11.7414

Monochromacy



Original Color

38.0778, 28.1978, 4.9492

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.9451, 25.2785, 15.5157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0778, 28.1978, 4.9492 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(228, 112, 34)` looks like.

```
.text, #text, p{  
    color:rgb(228, 112, 34)  
}
```

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(228, 112, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 112, 34) }
```

Border

The CSS property to change the border of an element to XYZ 38.0778, 28.1978, 4.9492 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(228, 112, 34) }
```


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

```
.border{ border-color:rgb(228, 112, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 112, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 112, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 112, 34);  
box-shadow:4px 4px 4px 4px rgb(228, 112,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0778, 28.1978, 4.9492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 112, 34) }
```

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

```
.background{ background-color: rgb(228,  
112, 34) }
```

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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