

Converting Colors

XYZ(40.6174, 30.0029, 12.6852)

Have a look what the booklet for
XYZ(40.6174, 30.0029, 12.6852)
contains.

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Color

**XYZ(40.5988, 30.0019,
12.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	E67457
RGB	230, 116, 87
RGB Percent	90%, 45%, 34%
CMY	0.0980, 0.5451, 0.6588
CMYK	0.00, 0.50, 0.62, 0.10
HSL	12°, 74%, 62%
HSV	12°, 62%, 90%
XYZ	40.5988, 30.0019, 12.6680
YIQ	146.7800, 77.2530, 15.1490

Conversions

Conversions Part 2

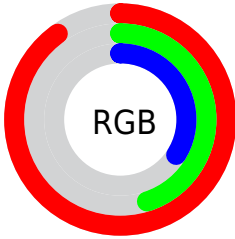
Format	Color
R_{YB}	230, 123, 87
Decimal	15103063
CIE Lab	61.66, 41.83, 36.25
CIE LCh	62, 55.355, 40.914
Yxy	30.0019, 0.4876, 0.3603
Android (android.graphics.Color)	4293293143 (0xFFE67457)
YUV	146.7800, -29.4715, 72.9839
Hunter-Lab	54.7740, 36.4508, 24.6293

Details

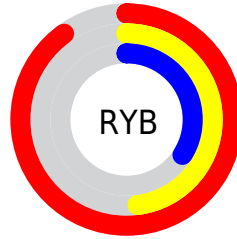
The XYZ color **40.5988, 30.0019, 12.6680** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **39.0985, 49.5096, 82.3580**, and the grayscale version is **27.7387, 29.1833, 31.7806**.

A 20% lighter version of the original color is **60.1301, 51.8156, 30.4991**, and **18.5786, 12.2550, 3.3937** is the 20% darker color. If you saturate the color by 10%, you get **37.8955, 25.8673, 7.8463**, and if you desaturate by 10%, it is **44.0199, 35.0936, 19.2058**.

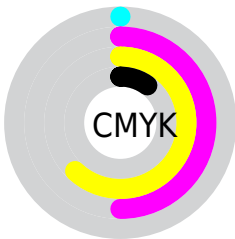
Distribution



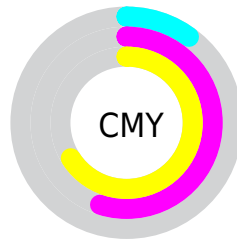
- Red (90%)
- Green (45%)
- Blue (34%)



- Red (90%)
- Yellow (48%)
- Blue (34%)



- Cyan (0%)
- Magenta (50%)
- Yellow (62%)
- Black (10%)





- Cyan (10%)
- Magenta (55%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5988, 30.0019, 12.6680 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 40.5988, 30.0019, 12.6680 by changing the saturation by 10% instead.


 40.5988, 30.0019,
12.6680


 40.5988, 30.0019,
12.6680

339.7323,
301.9133, 219.9114


 28.1920, 19.8400,
7.0723


 75.3530, 59.6652,
31.3884

 18.6116, 12.2788,
3.4282


 98.4312, 79.9354,
45.3502


 11.4923, 6.9339,
1.3172


 125.7972,
104.3438, 62.9378

 6.4687, 3.4208,
0.0758

 157.8164,
133.2749, 84.5697

 3.1755, 1.3552,
0.0000

 194.8542,
167.1130, 110.6645

 1.2472, 0.1833,
0.0000

237.2758,

 0.1432, 0.0000,

206.2425, 141.6407

0.0000

285.4468,
251.0478, 177.9168

■ 0.0000, 0.0000,
0.0000

■ 40.5988, 30.0019,
12.6680

■ 40.5988, 30.0019,
12.6680

■ 37.8955, 25.8673,
7.8463

■ 44.0199, 35.0936,
19.2058

■ 35.8536, 22.6239,
4.5751

■ 48.2050, 41.1931,
27.6011

■ 34.4110, 20.2044,
2.6585

■ 53.1988, 48.3532,
37.9822

■ 33.6356, 18.8283,
1.8614

■ 59.0417, 56.6217,
50.4656

■ 65.7717, 66.0432,
65.1588

■ 73.4240, 76.6599,
82.1618

■ 82.0322, 88.5121,
101.5686

■ 86.4429, 95.5629,
108.4972

Harmonies

Analogous

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



44.7852, 30.0019, 25.5807



40.5988, 30.0019, 12.6680



33.3967, 30.0019, 7.3890

Triad

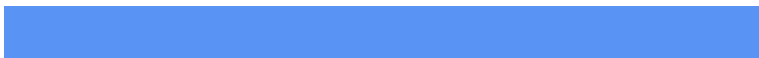
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.5988, 30.0019, 12.6680



17.1269, 30.0019, 21.1286



31.2791, 30.0019, 90.7873

Complementary

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



40.5988, 30.0019, 12.6680



39.0985, 49.5096, 82.3580

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.



24.1355, 30.0019, 87.8650



40.5988, 30.0019, 12.6680



16.7581, 30.0019, 40.9541

Square

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



40.5988, 30.0019, 12.6680



20.2178, 30.0019, 10.6183



19.1052, 30.0019, 67.0357



38.8210, 30.0019, 73.8481

Rectangle

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



40.5988, 30.0019, 12.6680



28.2909, 30.0019, 6.5944



19.1052, 30.0019, 67.0357



28.7421, 30.0019, 92.2333

Sweetspot

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



40.5995, 30.0035, 12.6685



77.1003, 75.0485, 69.1656



46.6309, 27.8754, 58.4280



16.0027, 15.3611, 13.7202



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.



40.5995, 30.0035, 12.6685



46.9633, 31.2373, 8.3674



52.1448, 53.0941, 16.5170



14.6126, 14.8391, 14.9985



19.1122, 10.7986, 1.0770



1.4775, 0.9284, 0.1013

Inverse Universe

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



39.0985, 49.5096, 82.3580



44.7569, 57.5192, 103.3511



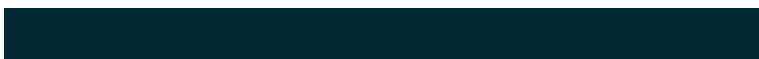
26.1829, 23.6783, 78.0528



14.5461, 15.8137, 18.4300



17.8028, 22.6677, 45.8202



1.3786, 1.8011, 3.4070

Previews

White Background



This preview shows how the XYZ color 40.5988, 30.0019, 12.6680 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 40.5988, 30.0019, 12.6680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

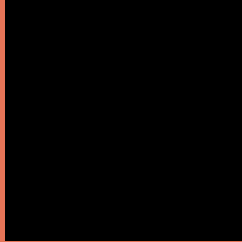
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5988, 30.0019, 12.6680

Background



This preview shows how black text looks on a background with the XYZ color 40.5988, 30.0019, 12.6680.



This preview shows how white text looks on a background with the XYZ color 40.5988, 30.0019,

12.6680.

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

40.5988, 30.0019, 12.6680

Protanopia

27.9480, 30.0964, 16.3928

Deuteranopia

30.7244, 30.0225, 12.1582



Tritanopia

42.4027, 30.0761, 21.0232

Trichromacy



Original Color

40.5988, 30.0019, 12.6680

Protanomaly

31.5047, 29.2823, 14.8180

Deuteranomaly

33.8072, 29.6945, 12.3373

Tritanomaly

41.5140, 29.8607, 17.4856

Monochromacy



Original Color

40.5988, 30.0019, 12.6680

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.6373, 28.4361, 23.2760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5988, 30.0019, 12.6680 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(230, 116, 87)` looks like.

```
.text, #text, p{  
    color:rgb(230, 116, 87)  
}
```

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(230, 116, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 116, 87) }
```

Border

The CSS property to change the border of an element to XYZ 40.5988, 30.0019, 12.6680 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(230, 116, 87) }
```


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

```
.border{ border-color:rgb(230, 116, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 116, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 116, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 116, 87);  
box-shadow:4px 4px 4px 4px rgb(230, 116,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5988, 30.0019, 12.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 116, 87) }
```

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

```
.background{ background-color: rgb(230,  
116, 87) }
```

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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