

Converting Colors

XYZ(40.0480, 43.1298, 6.2141)

Have a look what the booklet for
XYZ(40.0480, 43.1298, 6.2141)
contains.

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Color

**XYZ(40.0379, 43.1095,
6.2107)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAEE0
RGB	204, 174, 0
RGB Percent	80%, 68%, 0%
CMY	0.2000, 0.3176, 0.9999
CMYK	0.00, 0.15, 1.00, 0.20
HSL	51°, 100%, 40%
HSV	51°, 100%, 80%
XYZ	40.0379, 43.1095, 6.2107
YIQ	163.1340, 73.7340, -47.7540

Conversions

Conversions Part 2

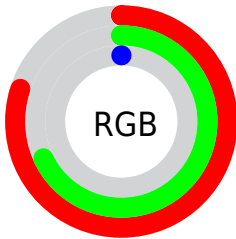
Format	Color
RYB	35, 204, 0
Decimal	13413888
CIELab	71.63, -2.90, 74.10
CIELCh	72, 74.154, 92.241
Yxy	43.1095, 0.4481, 0.4824
Android (android.graphics.Color)	4291603968 (0xFFCCAEE0)
YUV	163.1340, -80.4251, 35.8395
Hunter-Lab	65.6578, -6.0526, 40.3521

Details

The XYZ color **40.0379, 43.1095, 6.2107** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.3637, 5.2887, 57.5482**, and the grayscale version is **35.2219, 37.0562, 40.3542**.

A 20% lighter version of the original color is **70.6706, 77.8631, 18.7015**, and **18.6366, 19.9388, 2.8663** is the 20% darker color. If you saturate the color by 10%, you get **40.0383, 43.1106, 6.2109**, and if you desaturate by 10%, it is **40.7548, 44.3356, 7.0910**.

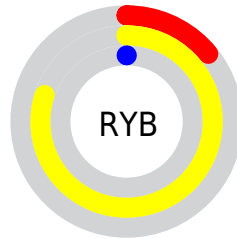
Distribution



Red (80%)

Green (68%)

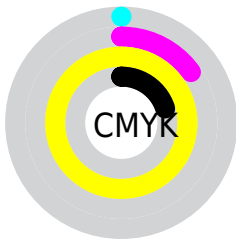
Blue (0%)



Red (14%)

Yellow (80%)

Blue (0%)

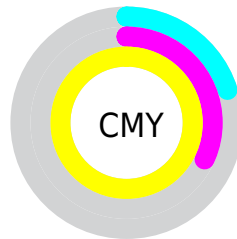


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0379, 43.1095, 6.2107 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 40.0379, 43.1095, 6.2107 by changing the saturation by 10% instead.


 40.0379, 43.1095,
6.2107


 40.0379, 43.1095,
6.2107


337.4150,
359.0619, 170.3080


 27.7524, 29.9710,
2.9028


 74.5052, 79.8761,
18.8518


 18.2786, 19.8166,
1.0452


 97.4177, 104.2730,
29.0221

 11.2511, 12.2618,
0.0000


 124.6034,
133.1915, 42.3170

 6.3045, 6.9222,
0.0000

 156.4274,
167.0160, 59.1549

 3.0735, 3.4135,
0.0000

 193.2552,
206.1309, 79.9544

 1.1928, 1.3512,
0.0000

 235.4522,

 0.1007, 0.1804,

250.9206, 105.1340

0.0000

283.3837,
301.7694, 135.1124

■ 0.0000, 0.0000,
0.0000

■ 40.0379, 43.1095,
6.2107

■ 40.0379, 43.1095,
6.2107

■ 40.0383, 43.1106,
6.2109

■ 40.7548, 44.3356,
7.0910

■ 41.6209, 45.6405,
8.6969

■ 42.6842, 47.0453,
11.2764

■ 43.9698, 48.5601,
14.9618

■ 45.4991, 50.1936,
19.8647

■ 47.2906, 51.9534,
26.0831

■ 49.3613, 53.8463,
33.7051

■ 51.7264, 55.8786,
42.8109

■ 54.4002, 58.0561,
53.4750

Harmonies

Analogous

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



53.2732, 43.1095, 8.4965



40.0379, 43.1095, 6.2107



29.4013, 43.1095, 9.3910

Triad

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



40.0379, 43.1095, 6.2107



23.7645, 43.1095, 94.3065



66.2544, 43.1095, 87.0483

Complementary

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



40.0379, 43.1095, 6.2107



11.3637, 5.2887, 57.5482

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.



55.2440, 43.1095, 133.0218



40.0379, 43.1095, 6.2107



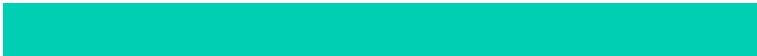
30.7309, 43.1095, 138.5074

Square

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



40.0379, 43.1095, 6.2107



21.2814, 43.1095, 49.6935



41.9252, 43.1095, 155.4065



70.1282, 43.1095, 44.2880

Rectangle

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



40.0379, 43.1095, 6.2107



24.7033, 43.1095, 16.0627



41.9252, 43.1095, 155.4065



63.1678, 43.1095, 103.2539

Sweetspot

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



40.0389, 43.1116, 6.2116



81.6021, 89.0464, 55.2699



25.1441, 12.9345, 2.4411



17.1420, 18.7679, 10.6222



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.



40.0389, 43.1116, 6.2116



66.1832, 71.1464, 10.2444



31.2034, 48.1399, 7.6478



12.0078, 12.8046, 11.9181



25.2543, 27.2415, 3.9271



1.3421, 1.4839, 0.2157

Inverse Universe

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



11.3637, 5.2887, 57.5482



18.7271, 8.5742, 95.2757



13.5279, 5.7151, 57.5164



10.7327, 11.1058, 14.1483



7.1944, 3.4127, 36.2358



0.4149, 0.2637, 1.8840

Previews

White Background



This preview shows how the XYZ color 40.0379, 43.1095, 6.2107 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 40.0379, 43.1095, 6.2107 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 40.0379, 43.1095, 6.2107

Background



This preview shows how black text looks on a background with the XYZ color 40.0379, 43.1095, 6.2107.



This preview shows how white text looks on a background with the XYZ color 40.0379, 43.1095,

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

40.0379, 43.1095, 6.2107

Protanopia

38.8469, 43.0696, 6.4381

Deuteranopia

44.0692, 43.2175, 6.6809



Tritanopia

48.2919, 43.1928, 45.8362

Trichromacy



Original Color

40.0379, 43.1095, 6.2107

Protanomaly

39.1713, 42.9481, 6.3401

Deuteranomaly

42.4717, 43.2256, 6.4856

Tritanomaly

43.0838, 42.1218, 20.8985

Monochromacy



Original Color

40.0379, 43.1095, 6.2107

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6775, 38.1019, 18.6234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0379, 43.1095, 6.2107 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(204, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 174, 0)  
}
```

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(204, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 174, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.0379, 43.1095, 6.2107 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(204, 174, 0) }
```


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

```
.border{ border-color:rgb(204, 174, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 174,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0379, 43.1095, 6.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 174, 0) }
```

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

```
.background{ background-color: rgb(204,  
174, 0) }
```

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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