

Converting Colors

XYZ(40.5330, 44.0996, 6.3758)

Have a look what the booklet for
XYZ(40.5330, 44.0996, 6.3758)
contains.

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Color

**XYZ(40.6240, 44.2817,
6.4061)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB100
RGB	204, 177, 0
RGB Percent	80%, 69%, 0%
CMY	0.2000, 0.3059, 0.9999
CMYK	0.00, 0.13, 1.00, 0.20
HSL	52°, 100%, 40%
HSV	52°, 100%, 80%
XYZ	40.6240, 44.2817, 6.4061
YIQ	164.8950, 72.9090, -49.3230

Conversions

Conversions Part 2

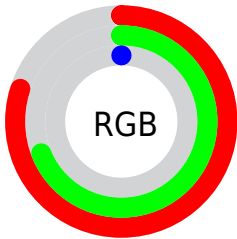
Format	Color
R _Y B	31, 204, 0
Decimal	13414656
CIE Lab	72.42, -4.47, 74.65
CIE LCh	72, 74.789, 93.428
Yxy	44.2817, 0.4449, 0.4850
Android (android.graphics.Color)	4291604736 (0xFFCCB100)
YUV	164.8950, -81.2932, 34.2951
Hunter-Lab	66.5445, -7.4824, 40.8734

Details

The XYZ color **40.6240, 44.2817, 6.4061** 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 **11.2914, 5.1441, 57.5240**, and the grayscale version is **36.0690, 37.9474, 41.3247**.

A 20% lighter version of the original color is **71.5079, 79.5377, 18.9806**, and **19.0107, 20.6870, 2.9910** is the 20% darker color. If you saturate the color by 10%, you get **40.6244, 44.2829, 6.4063**, and if you desaturate by 10%, it is **41.2935, 45.4129, 7.2707**.

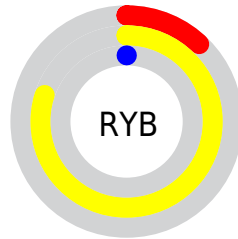
Distribution



Red (80%)

Green (69%)

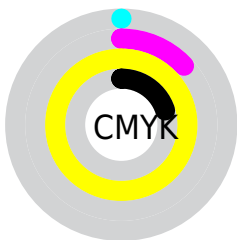
Blue (0%)



Red (12%)

Yellow (80%)

Blue (0%)

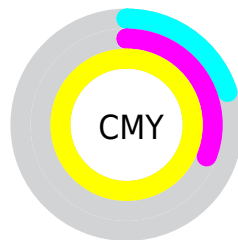


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6240, 44.2817, 6.4061 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 40.6240, 44.2817, 6.4061 by changing the saturation by 10% instead.


 40.6240, 44.2817,
6.4061


 40.6240, 44.2817,
6.4061


339.8362,
363.8566, 172.0726


 28.2118, 30.8920,
3.0208

 75.3911, 81.6415,
19.2602

 18.6266, 20.5166,
1.1053


 98.4767, 106.3804,
29.5660

 11.5032, 12.7712,
0.0000


 125.8508,
135.6711, 43.0158

 6.4761, 7.2711,
0.0000

 157.8787,
169.8981, 60.0281

 3.1801, 3.6322,
0.0000

 194.9259,
209.4458, 81.0213

 1.2497, 1.4701,
0.0000

 237.3576,

 0.1451, 0.2675,

254.6985, 106.4142

0.0000

285.5392,
306.0406, 136.6251

■ 0.0000, 0.0000,
0.0000

■ 40.6240, 44.2817,
6.4061

■ 40.6240, 44.2817,
6.4061

■ 40.6244, 44.2829,
6.4063

■ 41.2935, 45.4129,
7.2707

■ 42.1097, 46.6181,
8.8599

■ 43.1206, 47.9182,
11.4221

■ 44.3515, 49.3234,
15.0893

■ 45.8235, 50.8424,
19.9733

■ 47.5553, 52.4826,
26.1719

■ 49.5637, 54.2509,
33.7732

■ 51.8640, 56.1535,
42.8576

■ 54.4704, 58.1961,
53.4993

Harmonies

Analogous

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



54.1737, 44.2817, 8.5226



40.6240, 44.2817, 6.4061



29.8606, 44.2817, 9.9303

Triad

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



40.6240, 44.2817, 6.4061



24.6108, 44.2817, 98.8264



68.3669, 44.2817, 87.4344

Complementary

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



40.6240, 44.2817, 6.4061



11.2914, 5.1441, 57.5240

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.



57.2676, 44.2817, 134.9989



40.6240, 44.2817, 6.4061



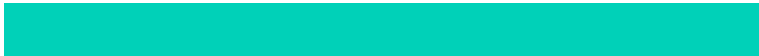
31.9491, 44.2817, 143.6057

Square

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



40.6240, 44.2817, 6.4061



21.8831, 44.2817, 52.5846



43.5876, 44.2817, 159.4057



71.9842, 44.2817, 44.0949

Rectangle

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



40.6240, 44.2817, 6.4061



25.1600, 44.2817, 17.0885



43.5876, 44.2817, 159.4057



65.2894, 44.2817, 104.0616

Sweetspot

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



40.6250, 44.2838, 6.4070



81.9413, 89.7246, 55.3830



25.1022, 12.9178, 2.2204



17.2241, 18.9321, 10.6495



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.



40.6250, 44.2838, 6.4070



67.1638, 73.1077, 10.5713



30.6774, 47.8687, 7.6232



12.0223, 12.8336, 11.9229



25.6189, 27.9708, 4.0486



1.3577, 1.5150, 0.2209

Inverse Universe

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



11.2914, 5.1441, 57.5240



18.6148, 8.3495, 95.2383



13.7861, 5.8482, 57.5285



10.7195, 11.0794, 14.1439



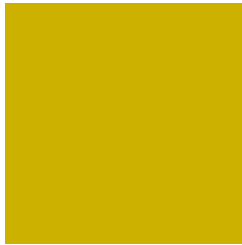
7.1457, 3.3153, 36.2196



0.4088, 0.2514, 1.8819

Previews

White Background



This preview shows how the XYZ color 40.6240, 44.2817, 6.4061 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 40.6240, 44.2817, 6.4061 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 40.6240, 44.2817, 6.4061

Background



This preview shows how black text looks on a background with the XYZ color 40.6240, 44.2817, 6.4061.

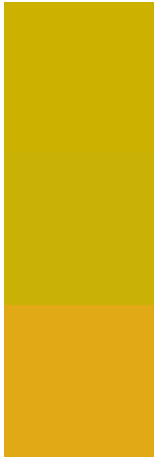


This preview shows how white text looks on a background with the XYZ color 40.6240, 44.2817,

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

40.6240, 44.2817, 6.4061

Protanopia

40.0352, 44.2693, 6.5783

Deuteranopia

45.3747, 44.4376, 6.8953



Tritanopia

49.1225, 44.3807, 47.5723

Trichromacy



Original Color

40.6240, 44.2817, 6.4061

Protanomaly

40.2940, 44.4039, 6.5332

Deuteranomaly

43.4404, 44.2858, 6.6392

Tritanomaly

43.7469, 43.2698, 21.6690

Monochromacy



Original Color

40.6240, 44.2817, 6.4061

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.3282, 38.9796, 19.0264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6240, 44.2817, 6.4061 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, 177, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 177, 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, 177, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 177, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.6240, 44.2817, 6.4061 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, 177, 0) }
```


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

```
.border{ border-color:rgb(204, 177, 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, 177, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 177, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 177, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 177,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6240, 44.2817, 6.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 177, 0) }
```

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

```
.background{ background-color: rgb(204,  
177, 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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