

Converting Colors

XYZ(40.6016, 44.6326, 16.8310)

Have a look what the booklet for
XYZ(40.6016, 44.6326, 16.8310)
contains.

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Color

**XYZ(40.6016, 44.6326,
16.8310)**

Conversions

Conversions Part 1

Format	Color
Hex	C3B35D
RGB	195, 179, 93
RGB Percent	76%, 70%, 36%
CMY	0.2353, 0.2980, 0.6353
CMYK	0.00, 0.08, 0.52, 0.24
HSL	51°, 46%, 56%
HSV	51°, 52%, 76%
XYZ	40.6016, 44.6326, 16.8310
YIQ	173.9800, 37.1420, -23.3540

Conversions

Conversions Part 2

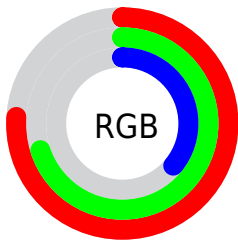
Format	Color
RYB	112, 195, 93
Decimal	12825437
CIELab	72.65, -5.55, 45.51
CIELCh	73, 45.844, 96.948
Yxy	44.6326, 0.3978, 0.4373
Android (android.graphics.Color)	4291015517 (0xFFC3B35D)
YUV	173.9800, -39.9231, 18.4345
Hunter-Lab	66.8076, -8.4320, 31.8283

Details

The XYZ color **40.6016, 44.6326, 16.8310** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **19.8332, 17.2042, 53.9051**, and the grayscale version is **40.4081, 42.5125, 46.2961**.

A 20% lighter version of the original color is **75.3272, 82.3436, 38.7118**, and **18.6729, 20.8421, 5.3243** is the 20% darker color. If you saturate the color by 10%, you get **39.2400, 43.1198, 12.6458**, and if you desaturate by 10%, it is **42.1992, 46.2649, 22.1823**.

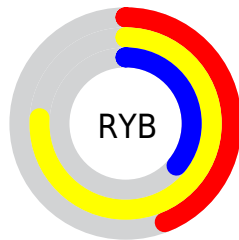
Distribution



Red (76%)

Green (70%)

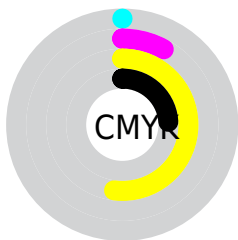
Blue (36%)



Red (44%)

Yellow (76%)

Blue (36%)

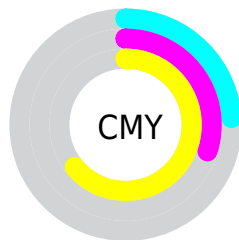


Cyan (0%)

Magenta (8%)

Yellow (52%)

Black (24%)



Cyan (24%)


Magenta (30%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6016, 44.6326, 16.8310 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 40.6016, 44.6326, 16.8310 by changing the saturation by 10% instead.


 40.6016, 44.6326,
16.8310


 40.6016, 44.6326,
16.8310

339.7438,
365.2835, 246.2075

 28.1942, 31.1681,
9.9534


 75.3573, 82.1688,
38.8216


 18.6133, 20.7269,
5.2629


 98.4363, 107.0094,
54.7717

 11.4935, 12.9245,
2.3409


 125.8032,
136.4107, 74.5831

 6.4696, 7.3766,
0.7540

 157.8234,
170.7573, 98.6742

 3.1760, 3.6987,
0.0000

194.8621,
210.4334, 127.4637

 1.2475, 1.5065,
0.0000

237.2849,

 0.1434, 0.2933,

255.8236, 161.3700

0.0000

285.4570,
307.3122, 200.8118

■ 0.0000, 0.0000,
0.0000

■ 40.6016, 44.6326,
16.8310

■ 40.6016, 44.6326,
16.8310

■ 39.2400, 43.1198,
12.6458

■ 42.1992, 46.2649,
22.1823

■ 38.0939, 41.7131,
9.5340

■ 44.0450, 48.0166,
28.7775

■ 37.1448, 40.4068,
7.3932

■ 46.1539, 49.8957,
36.6909

■ 36.3691, 39.1911,
6.0998

■ 48.5391, 51.9074,
45.9902

■ 35.8565, 38.3039,
5.5035

■ 51.2124, 54.0567,
56.7385

■ 54.1852, 56.3482,
68.9949

■ 57.4683, 58.7863,
82.8152

■ 61.0717, 61.3752,
98.2524

■ 62.7539, 63.2185,
103.5027

Harmonies

Analogous

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



48.6860, 44.6326, 18.4436



40.6016, 44.6326, 16.8310



33.8900, 44.6326, 21.3577

Triad

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



40.6016, 44.6326, 16.8310



31.3520, 44.6326, 79.9060



58.0797, 44.6326, 67.8099

Complementary

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



40.6016, 44.6326, 16.8310



19.8332, 17.2042, 53.9051

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.



52.2777, 44.6326, 92.5912



40.6016, 44.6326, 16.8310



36.7196, 44.6326, 100.9611

Square

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



40.6016, 44.6326, 16.8310



28.9986, 44.6326, 54.0813



44.2959, 44.6326, 106.2119



59.4554, 44.6326, 43.4972

Rectangle

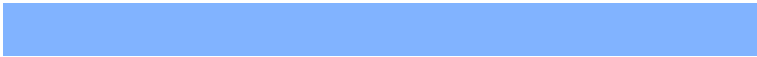
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.6016, 44.6326, 16.8310



30.8678, 44.6326, 28.4363



44.2959, 44.6326, 106.2119



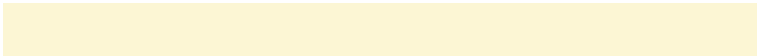
56.5501, 44.6326, 76.5614

Sweetspot

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



40.6027, 44.6347, 16.8319



85.1901, 91.5180, 75.5005



29.2348, 20.5571, 17.1796



18.4593, 19.8758, 15.7680



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.



40.6027, 44.6347, 16.8319



69.9105, 76.7944, 21.5887



36.1891, 47.3977, 17.5978



10.7746, 11.4806, 10.7100



23.3554, 24.9966, 3.5939



1.0461, 1.1540, 0.1676

Inverse Universe

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



19.8332, 17.2042, 53.9051



28.7169, 22.4440, 95.2884



22.5176, 16.2815, 53.5855



9.6530, 9.9974, 12.7057



6.7540, 3.2644, 33.8307



0.3330, 0.2235, 1.4755

Previews

White Background



This preview shows how the XYZ color 40.6016, 44.6326, 16.8310 looks on a white background.

Color Contrast Check

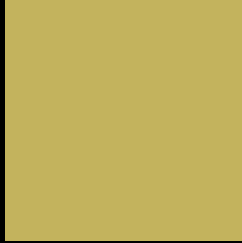
Large Text (above 18pt) WCAG AA × Fail

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 40.6016, 44.6326, 16.8310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

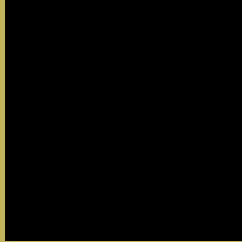
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6016, 44.6326, 16.8310

Background



This preview shows how black text looks on a background with the XYZ color 40.6016, 44.6326, 16.8310.



This preview shows how white text looks on a background with the XYZ color 40.6016, 44.6326,

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

40.6016, 44.6326, 16.8310

Protanopia

40.9221, 44.5014, 16.7887

Deuteranopia

45.3537, 44.4811, 17.0218



Tritanopia

47.5333, 44.5907, 50.3576

Trichromacy



Original Color

40.6016, 44.6326, 16.8310

Protanomaly

40.6611, 44.3669, 16.7765

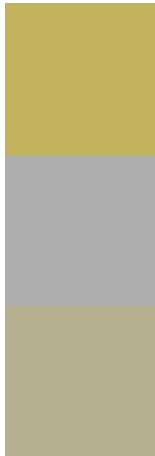
Deuteranomaly

43.5423, 44.3969, 16.8642

Tritanomaly

44.5360, 44.5067, 35.0975

Monochromacy



Original Color

40.6016, 44.6326, 16.8310

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.9276, 43.0401, 32.9912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6016, 44.6326, 16.8310 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(195, 179, 93)` looks like.

```
.text, #text, p{  
    color:rgb(195, 179, 93)  
}
```

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(195, 179, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 179, 93) }
```

Border

The CSS property to change the border of an element to XYZ 40.6016, 44.6326, 16.8310 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(195, 179, 93) }
```


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

```
.border{ border-color:rgb(195, 179, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 179, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 179, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 179, 93);  
box-shadow:4px 4px 4px 4px rgb(195, 179,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6016, 44.6326, 16.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 179, 93) }
```

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

```
.background{ background-color: rgb(195,  
179, 93) }
```

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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