

Converting Colors

XYZ(40.9889, 46.1071, 10.5667)

Have a look what the booklet for
XYZ(40.9889, 46.1071, 10.5667)
contains.

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Color

**XYZ(40.9607, 46.1681,
10.6234)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B739
RGB	198, 183, 57
RGB Percent	78%, 72%, 22%
CMY	0.2235, 0.2823, 0.7765
CMYK	0.00, 0.08, 0.71, 0.22
HSL	54°, 55%, 50%
HSV	54°, 71%, 78%
XYZ	40.9607, 46.1681, 10.6234
YIQ	173.1210, 49.3860, -36.0060

Conversions

Conversions Part 2

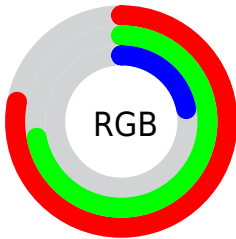
Format	Color
RYB	74, 198, 57
Decimal	13023033
CIELab	73.65, -8.77, 62.50
CIELCh	74, 63.116, 97.988
Yxy	46.1681, 0.4190, 0.4723
Android (android.graphics.Color)	4291213113 (0xFFC6B739)
YUV	173.1210, -57.2477, 21.8189
Hunter-Lab	67.9471, -11.3019, 38.2931

Details

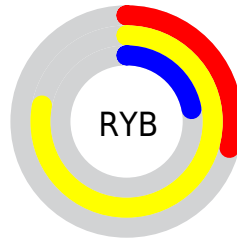
The XYZ color **40.9607, 46.1681, 10.6234** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **14.1979, 9.5818, 54.5269**, and the grayscale version is **40.0487, 42.1344, 45.8843**.

A 20% lighter version of the original color is **75.0311, 84.1629, 27.6197**, and **18.9671, 21.6280, 3.1749** is the 20% darker color. If you saturate the color by 10%, you get **40.1292, 45.1475, 8.3665**, and if you desaturate by 10%, it is **41.9934, 47.2831, 13.8983**.

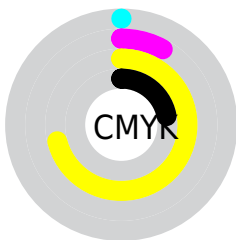
Distribution



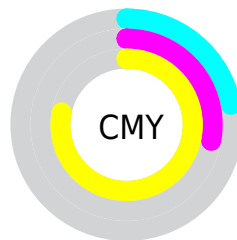
- Red (78%)
- Green (72%)
- Blue (22%)



- Red (29%)
- Yellow (78%)
- Blue (22%)



- Cyan (0%)
- Magenta (8%)
- Yellow (71%)
- Black (22%)



- Cyan (22%)
- Magenta (28%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9607, 46.1681, 10.6234 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 40.9607, 46.1681, 10.6234 by changing the saturation by 10% instead.

■ 40.9607, 46.1681,
10.6234

■ 40.9607, 46.1681,
10.6234

341.2217,
371.4841, 205.7091

■ 28.4759, 32.3785,
5.7032

■ 75.8993, 84.4705,
27.5876

■ 18.8270, 21.6508,
2.5996

■ 99.0839, 109.7521,
40.4686

■ 11.6486, 13.6005,
0.8923

■ 126.5657,
139.6332, 56.8404

■ 6.5754, 7.8433,
0.0000

■ 158.7102,
174.4981, 77.1215

■ 3.2419, 3.9949,
0.0000

■ 195.8827,
214.7312, 101.7304

■ 1.2830, 1.6707,
0.0000

238.4485,

■ 0.1704, 0.4046,

260.7170, 131.0855

0.0000

286.7731,
312.8398, 165.6056

■ 0.0000, 0.0000,
0.0000

■ 40.9607, 46.1681,
10.6234

■ 40.9607, 46.1681,
10.6234

■ 40.1292, 45.1475,
8.3665

■ 41.9934, 47.2831,
13.8983

■ 39.4718, 44.2051,
6.9991

■ 43.2441, 48.4940,
18.2939

■ 38.9995, 43.4275,
6.3269

■ 44.7315, 49.8100,
23.9033

■ 46.4713, 51.2376,
30.8093

■ 48.4778, 52.7824,
39.0874

■ 50.7643, 54.4498,
48.8071

■ 53.3431, 56.2448,
60.0335

■ 56.2260, 58.1721,
72.8275

■ 59.4237, 60.2361,
87.2467

Harmonies

Analogous

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



52.4433, 46.1681, 12.0646



40.9607, 46.1681, 10.6234



31.9333, 46.1681, 15.6804

Triad

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



40.9607, 46.1681, 10.6234



29.0234, 46.1681, 98.4933



66.9859, 46.1681, 77.0603

Complementary

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



40.9607, 46.1681, 10.6234



14.1979, 9.5818, 54.5269

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.



58.4902, 46.1681, 116.0939



40.9607, 46.1681, 10.6234



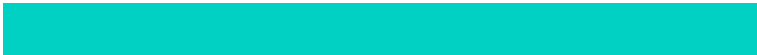
36.3061, 46.1681, 131.6963

Square

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



40.9607, 46.1681, 10.6234



25.8472, 46.1681, 59.3214



46.9377, 46.1681, 139.2301



68.8034, 46.1681, 42.1882

Rectangle

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



40.9607, 46.1681, 10.6234



28.0582, 46.1681, 24.1829



46.9377, 46.1681, 139.2301



64.7545, 46.1681, 90.4859

Sweetspot

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



40.9618, 46.1703, 10.6243



85.8057, 93.4384, 69.0493



25.9696, 15.4195, 7.9900



18.1426, 19.8311, 13.8476



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.



40.9618, 46.1703, 10.6243



70.4363, 79.0864, 13.4077



32.4257, 46.6083, 11.1588



11.4238, 12.2168, 11.3187



25.4001, 28.3175, 4.1271



1.2310, 1.3975, 0.2049

Inverse Universe

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



14.1979, 9.5818, 54.5269



20.5434, 11.0065, 95.6495



18.2185, 10.3868, 54.4704



10.1460, 10.4660, 13.4029



6.8348, 3.0635, 34.9754



0.3551, 0.2080, 1.6666

Previews

White Background



This preview shows how the XYZ color 40.9607, 46.1681, 10.6234 looks on a white background.

Color Contrast Check

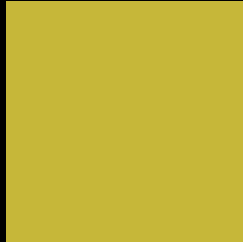
Large Text (above 18pt) WCAG AA × Fail

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 40.9607, 46.1681, 10.6234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

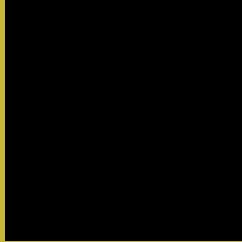
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9607, 46.1681, 10.6234

Background



This preview shows how black text looks on a background with the XYZ color 40.9607, 46.1681, 10.6234.



This preview shows how white text looks on a background with the XYZ color 40.9607, 46.1681,

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

40.9607, 46.1681, 10.6234

Protanopia

41.8910, 46.0397, 10.5495

Deuteranopia

46.9589, 46.0107, 10.8208



Tritanopia

49.2271, 45.9964, 51.6310

Trichromacy



Original Color

40.9607, 46.1681, 10.6234

Protanomaly

41.5539, 46.1688, 10.5922

Deuteranomaly

44.6598, 45.9758, 10.7954

Tritanomaly

44.8193, 45.3323, 30.4325

Monochromacy



Original Color

40.9607, 46.1681, 10.6234

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.1103, 43.0281, 27.7166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9607, 46.1681, 10.6234 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(198, 183, 57)` looks like.

```
.text, #text, p{  
    color:rgb(198, 183, 57)  
}
```

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(198, 183, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 183, 57) }
```

Border

The CSS property to change the border of an element to XYZ 40.9607, 46.1681, 10.6234 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(198, 183, 57) }
```


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

```
.border{ border-color:rgb(198, 183, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 183, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 183, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 183, 57);  
box-shadow:4px 4px 4px 4px rgb(198, 183,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9607, 46.1681, 10.6234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 183, 57) }
```

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

```
.background{ background-color: rgb(198,  
183, 57) }
```

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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