

Converting Colors

XYZ(40.1364, 44.3525, 13.3331)

Have a look what the booklet for
XYZ(40.1364, 44.3525, 13.3331)
contains.

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Color

**XYZ(40.1896, 44.4978,
13.3082)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B34C
RGB	196, 179, 76
RGB Percent	77%, 70%, 30%
CMY	0.2314, 0.2980, 0.7019
CMYK	0.00, 0.09, 0.61, 0.23
HSL	52°, 50%, 53%
HSV	52°, 61%, 77%
XYZ	40.1896, 44.4978, 13.3082
YIQ	172.3410, 43.1950, -28.4290

Conversions

Conversions Part 2

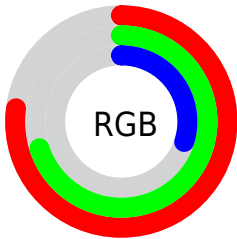
Format	Color
RYB	96, 196, 76
Decimal	12890956
CIELab	72.56, -6.44, 53.44
CIELCh	73, 53.822, 96.871
Yxy	44.4978, 0.4101, 0.4541
Android (android.graphics.Color)	4291081036 (0xFFC4B34C)
YUV	172.3410, -47.4961, 20.7489
Hunter-Lab	66.7067, -9.1936, 34.8661

Details

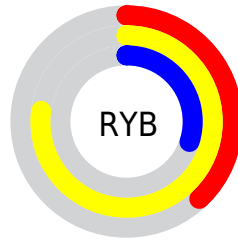
The XYZ color **40.1896, 44.4978, 13.3082** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **16.8586, 13.3504, 53.9127**, and the grayscale version is **39.6046, 41.6671, 45.3755**.

A 20% lighter version of the original color is **74.9108, 82.2616, 32.6987**, and **18.3631, 20.7182, 3.6930** is the 20% darker color. If you saturate the color by 10%, you get **39.0589, 43.1659, 10.0665**, and if you desaturate by 10%, it is **41.5411, 45.9393, 17.6485**.

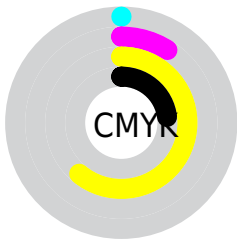
Distribution



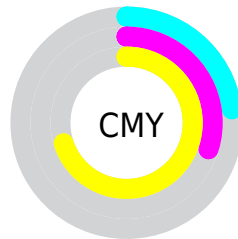
- Red (77%)
- Green (70%)
- Blue (30%)



- Red (38%)
- Yellow (77%)
- Blue (30%)



- Cyan (0%)
- Magenta (9%)
- Yellow (61%)
- Black (23%)



- Cyan (23%)
- Magenta (30%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1896, 44.4978, 13.3082 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 40.1896, 44.4978, 13.3082 by changing the saturation by 10% instead.

■ 40.1896, 44.4978,
13.3082

■ 40.1896, 44.4978,
13.3082

338.0428,
364.7358, 224.1603

■ 27.8713, 31.0620,
7.5079

■ 74.7346, 81.9663,
32.5556

■ 18.3686, 20.6461,
3.6985

■ 97.6921, 106.7678,
46.8399

■ 11.3162, 12.8656,
1.4614

■ 124.9266,
136.1267, 64.7892

■ 6.3488, 7.3360,
0.1890

■ 156.8035,
170.4274, 86.8220

■ 3.1010, 3.6731,
0.0000

■ 193.6883,
210.0543, 113.3570

■ 1.2074, 1.4924,
0.0000

235.9462,

■ 0.1122, 0.2834,

255.3917, 144.8127

0.0000

283.9425,
306.8241, 181.6076

■ 0.0000, 0.0000,
0.0000

■ 40.1896, 44.4978,
13.3082

■ 40.1896, 44.4978,
13.3082

■ 39.0589, 43.1659,
10.0665

■ 41.5411, 45.9393,
17.6485

■ 38.1264, 41.9295,
7.8178

■ 43.1275, 47.4910,
23.1746

■ 37.3698, 40.7811,
6.4406

■ 44.9652, 49.1615,
29.9682

■ 36.8121, 39.8302,
5.7478

■ 47.0682, 50.9562,
38.1029

■ 49.4495, 52.8807,
47.6466

■ 52.1213, 54.9397,
58.6627

■ 55.0948, 57.1379,
71.2108

■ 58.3808, 59.4798,
85.3469

■ 61.9894, 61.9694,
101.1246

Harmonies

Analogous

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



49.7175, 44.4978, 14.9567



40.1896, 44.4978, 13.3082



32.4422, 44.4978, 17.9345

Triad

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



40.1896, 44.4978, 13.3082



29.5357, 44.4978, 86.1523



60.9711, 44.4978, 71.4914

Complementary

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



40.1896, 44.4978, 13.3082



16.8586, 13.3504, 53.9127

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.



53.9616, 44.4978, 102.0828



40.1896, 44.4978, 13.3082



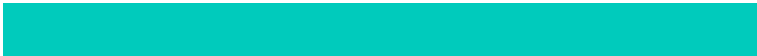
35.6486, 44.4978, 112.4910

Square

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



40.1896, 44.4978, 13.3082



26.9028, 44.4978, 54.8418



44.4702, 44.4978, 119.1958



62.6575, 44.4978, 42.5762

Rectangle

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



40.1896, 44.4978, 13.3082



29.0115, 44.4978, 25.4969



44.4702, 44.4978, 119.1958



59.1141, 44.4978, 82.1930

Sweetspot

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



40.1906, 44.4999, 13.3091



86.4822, 93.3108, 73.8392



27.3700, 17.7132, 12.5667



18.2493, 19.7571, 14.7692



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.



40.1906, 44.4999, 13.3091



70.2284, 77.5256, 16.8684



34.3711, 46.8717, 14.0736



10.7879, 11.5073, 10.7144



23.7014, 25.6885, 3.7092



1.0581, 1.1781, 0.1716

Inverse Universe

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



16.8586, 13.3504, 53.9127



24.6051, 16.7026, 96.5348



20.0199, 13.0065, 53.6797



9.6408, 9.9730, 12.7017



6.7037, 3.1639, 33.8140



0.3276, 0.2126, 1.4736

Previews

White Background



This preview shows how the XYZ color 40.1896, 44.4978, 13.3082 looks on a white background.

Color Contrast Check

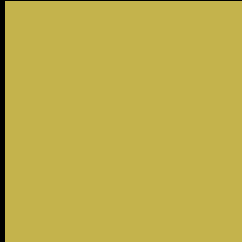
Large Text (above 18pt) WCAG AA × Fail

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 40.1896, 44.4978, 13.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

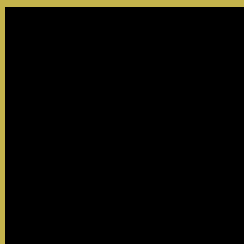
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1896, 44.4978, 13.3082

Background



This preview shows how black text looks on a background with the XYZ color 40.1896, 44.4978, 13.3082.



This preview shows how white text looks on a background with the XYZ color 40.1896, 44.4978,

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

40.1896, 44.4978, 13.3082

Protanopia

40.5136, 44.3684, 13.2661

Deuteranopia

45.4180, 44.3126, 13.5565



Tritanopia

47.5200, 44.3206, 49.7662

Trichromacy



Original Color

40.1896, 44.4978, 13.3082

Protanomaly

40.2509, 44.2329, 13.2538

Deuteranomaly

43.4701, 44.4342, 13.4933

Tritanomaly

44.0676, 44.0448, 32.1655

Monochromacy



Original Color

40.1896, 44.4978, 13.3082

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.9014, 42.2898, 29.7793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1896, 44.4978, 13.3082 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(196, 179, 76)` looks like.

```
.text, #text, p{  
    color:rgb(196, 179, 76)  
}
```

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(196, 179, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 179, 76) }
```

Border

The CSS property to change the border of an element to XYZ 40.1896, 44.4978, 13.3082 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(196, 179, 76) }
```


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

```
.border{ border-color:rgb(196, 179, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 179, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 179, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 179, 76);  
box-shadow:4px 4px 4px 4px rgb(196, 179,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1896, 44.4978, 13.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 179, 76) }
```

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

```
.background{ background-color: rgb(196,  
179, 76) }
```

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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