

Converting Colors

XYZ(40.2755, 46.9226, 17.3588)

Have a look what the booklet for
XYZ(40.2755, 46.9226, 17.3588)
contains.

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Color

**XYZ(40.2396, 46.8958,
17.2869)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBB5D
RGB	187, 187, 93
RGB Percent	73%, 73%, 36%
CMY	0.2667, 0.2666, 0.6353
CMYK	0.00, 0.00, 0.50, 0.27
HSL	60°, 41%, 55%
HSV	60°, 50%, 73%
XYZ	40.2396, 46.8958, 17.2869
YIQ	176.2840, 30.1740, -29.2340

Conversions

Conversions Part 2

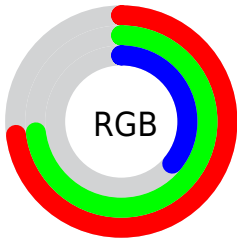
Format	Color
RYB	93, 187, 93
Decimal	12303197
CIELab	74.12, -13.02, 47.09
CIELCh	74, 48.855, 105.457
Yxy	46.8958, 0.3854, 0.4491
Android (android.graphics.Color)	4290493277 (0xFFBBBB5D)
YUV	176.2840, -41.0590, 9.3979
Hunter-Lab	68.4805, -14.9531, 32.9695

Details

The XYZ color **40.2396, 46.8958, 17.2869** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.3999, 13.7449, 48.7526**, and the grayscale version is **41.6128, 43.7799, 47.6763**.

A 20% lighter version of the original color is **74.8951, 85.5890, 39.7671**, and **18.4587, 22.1229, 5.4878** is the 20% darker color. If you saturate the color by 10%, you get **39.5108, 46.6059, 13.4455**, and if you desaturate by 10%, it is **41.1732, 47.2710, 22.1969**.

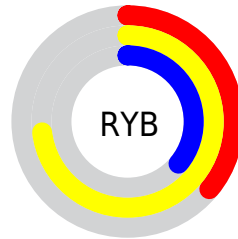
Distribution



Red (73%)

Green (73%)

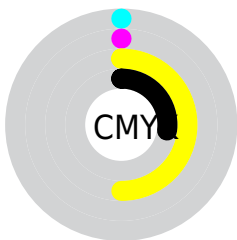
Blue (36%)



Red (36%)

Yellow (73%)

Blue (36%)

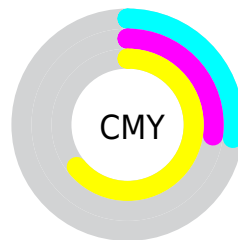


Cyan (0%)

Magenta (0%)

Yellow (50%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2396, 46.8958, 17.2869 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 40.2396, 46.8958, 17.2869 by changing the saturation by 10% instead.

■ 40.2396, 46.8958,
17.2869

■ 40.2396, 46.8958,
17.2869

338.2495,
374.3985, 248.9200

■ 27.9104, 32.9533,
10.2751

■ 74.8103, 85.5581,
39.6158

■ 18.3983, 22.0907,
5.4738

■ 97.7825, 111.0466,
55.7700

■ 11.3377, 13.9235,
2.4643

■ 125.0331,
141.1526, 75.8088

■ 6.3634, 8.0675,
0.8211

■ 156.9274,
176.2605, 100.1506

■ 3.1101, 4.1382,
0.0000

193.8309,
216.7546, 129.2142

■ 1.2122, 1.7512,
0.0000

236.1088,

■ 0.1160, 0.4564,

263.0194, 163.4179

0.0000

284.1266,
315.4392, 203.1803

0.0000, 0.0000,
0.0000

40.2396, 46.8958,
17.2869

40.2396, 46.8958,
17.2869

39.5108, 46.6059,
13.4455

41.1732, 47.2710,
22.1969

38.9684, 46.3889,
10.5906

42.3218, 47.7305,
28.2438

38.5964, 46.2401,
8.6331

43.6988, 48.2813,
35.4935

38.3745, 46.1513,
7.4665

45.3157, 48.9281,
44.0062

38.2634, 46.1069,
6.8828

47.1830, 49.6750,
53.8380

■ 49.3108, 50.5262,
65.0416

■ 51.7086, 51.4853,
77.6668

■ 54.3854, 52.5561,
91.7611

■ 56.3173, 53.3289,
101.9330

Harmonies

Analogous

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



48.9307, 46.8958, 17.1905



40.2396, 46.8958, 17.2869



33.6293, 46.8958, 24.1808

Triad

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



40.2396, 46.8958, 17.2869



33.7868, 46.8958, 93.6554



62.9134, 46.8958, 64.1357

Complementary

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



40.2396, 46.8958, 17.2869



17.3999, 13.7449, 48.7526

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.



57.6655, 46.8958, 92.8439



40.2396, 46.8958, 17.2869



40.4821, 46.8958, 113.3090

Square

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



40.2396, 46.8958, 17.2869



30.2495, 46.8958, 65.0033



49.2070, 46.8958, 112.9711



62.8261, 46.8958, 39.2710

Rectangle

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



40.2396, 46.8958, 17.2869



30.9587, 46.8958, 33.5547



49.2070, 46.8958, 112.9711



61.6876, 46.8958, 73.7939

Sweetspot

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



40.2407, 46.8980, 17.2879



79.6596, 87.0263, 70.9360



26.3853, 19.1850, 12.6690



17.4095, 19.1115, 14.9215



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2407, 46.8980, 17.2879



70.6804, 83.4343, 23.6640



30.5632, 41.9090, 16.8350



10.3222, 11.1205, 10.1791



26.3622, 31.7661, 4.7420



1.0326, 1.2443, 0.1858

Inverse Universe

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



17.3999, 13.7449, 48.7526



25.2501, 17.4931, 86.2471



23.7007, 16.9931, 49.0475



9.0166, 9.2254, 11.9777



6.1803, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Previews

White Background



This preview shows how the XYZ color 40.2396, 46.8958, 17.2869 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 40.2396, 46.8958, 17.2869 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 40.2396, 46.8958, 17.2869

Background



This preview shows how black text looks on a background with the XYZ color 40.2396, 46.8958, 17.2869.



This preview shows how white text looks on a background with the XYZ color 40.2396, 46.8958,

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

40.2396, 46.8958, 17.2869

Protanopia

42.7037, 46.6287, 16.6471

Deuteranopia

47.6788, 46.8046, 17.5876



Tritanopia

47.8456, 46.6387, 55.1956

Trichromacy



Original Color

40.2396, 46.8958, 17.2869

Protanomaly

41.8372, 46.7894, 16.9514

Deuteranomaly

44.7640, 46.7681, 17.4943

Tritanomaly

44.2300, 46.3465, 37.6250

Monochromacy



Original Color

40.2396, 46.8958, 17.2869

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.3320, 44.4211, 33.6425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2396, 46.8958, 17.2869 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(187, 187, 93)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 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(187, 187, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 93) }
```

Border

The CSS property to change the border of an element to XYZ 40.2396, 46.8958, 17.2869 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(187, 187, 93) }
```


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

```
.border{ border-color:rgb(187, 187, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 93);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2396, 46.8958, 17.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 93) }
```

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

```
.background{ background-color: rgb(187,  
187, 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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