

Converting Colors

XYZ(40.9608, 50.2937, 23.5441)

Have a look what the booklet for
XYZ(40.9608, 50.2937, 23.5441)
contains.

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Color

**XYZ(40.9080, 50.3775,
23.4873)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C572
RGB	176, 197, 114
RGB Percent	69%, 77%, 45%
CMY	0.3098, 0.2274, 0.5529
CMYK	0.11, 0.00, 0.42, 0.23
HSL	75°, 42%, 61%
HSV	75°, 42%, 77%
XYZ	40.9080, 50.3775, 23.4873
YIQ	181.2590, 14.1270, -30.2650

Conversions

Conversions Part 2

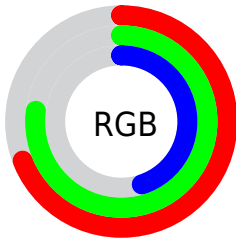
Format	Color
RYB	114, 197, 135
Decimal	11584882
CIELab	76.30, -20.34, 39.19
CIElCh	76, 44.155, 117.426
Yxy	50.3775, 0.3564, 0.4389
Android (android.graphics.Color)	4289774962 (0xFFB0C572)
YUV	181.2590, -33.1587, -4.6121
Hunter-Lab	70.9771, -21.3306, 30.0641

Details

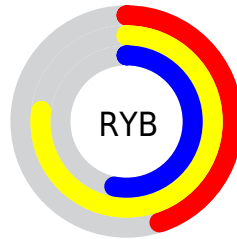
The XYZ color **40.9080, 50.3775, 23.4873** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.0889, 21.2180, 55.5467**, and the grayscale version is **44.2308, 46.5343, 50.6758**.

A 20% lighter version of the original color is **76.0211, 90.9973, 50.1167**, and **18.7739, 24.1527, 8.5229** is the 20% darker color. If you saturate the color by 10%, you get **38.7991, 49.4078, 18.1525**, and if you desaturate by 10%, it is **43.3024, 51.4696, 30.0980**.

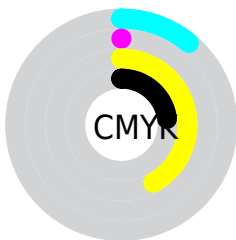
Distribution



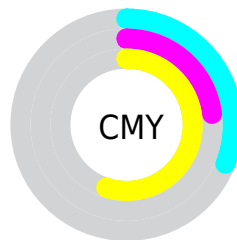
- Red (69%)
- Green (77%)
- Blue (45%)



- Red (45%)
- Yellow (77%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (42%)
- Black (23%)



- Cyan (31%)
- Magenta (23%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9080, 50.3775, 23.4873 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 40.9080, 50.3775, 23.4873 by changing the saturation by 10% instead.

■ 40.9080, 50.3775,
23.4873

■ 40.9080, 50.3775,
23.4873

341.0051,
388.1404, 283.4207

■ 28.4346, 35.7134,
14.7451

■ 75.8198, 90.7339,
50.1255

■ 18.7956, 24.2130,
8.4960

■ 98.9889, 117.1951,
68.8586

■ 11.6258, 15.4917,
4.3217

■ 126.4539,
148.3575, 91.7591

■ 6.5598, 9.1652,
1.8034

158.5801,
184.6054, 119.2454

■ 3.2322, 4.8491,
0.4302

195.7330,
226.3232, 151.7362

■ 1.2777, 2.1590,
0.0000

238.2779,

■ 0.1665, 0.6975,

273.8954, 189.6500

0.0000

286.5802,
327.7063, 233.4053

■ 0.0000, 0.0000,
0.0000

■ 40.9080, 50.3775,
23.4873

■ 40.9080, 50.3775,
23.4873

■ 38.7991, 49.4078,
18.1525

■ 43.3024, 51.4696,
30.0980

■ 36.9557, 48.5474,
14.0081

■ 45.9931, 52.6834,
38.0567

■ 35.3613, 47.7912,
10.9629


■ 48.9951, 54.0265,
47.4336


■ 33.9953, 47.1310,
8.9112

■ 52.3209, 55.5041,
58.2934


■ 32.8332, 46.5569,
7.7267


■ 55.9826, 57.1211,
70.6965

 32.0270, 46.1516,
7.2202

 59.9913, 58.8818,
84.7002

 64.3578, 60.7908,
100.3588

 66.3018, 61.7359,
103.0295

 67.7962, 62.5063,
103.0994

Harmonies

Analogous

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



48.6018, 50.3775, 20.7149



40.9080, 50.3775, 23.4873



35.6648, 50.3775, 33.7600

Triad

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



40.9080, 50.3775, 23.4873



39.8017, 50.3775, 103.0266



65.6399, 50.3775, 56.9284

Complementary

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



40.9080, 50.3775, 23.4873



26.0889, 21.2180, 55.5467

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.



62.6128, 50.3775, 83.2892



40.9080, 50.3775, 23.4873



47.1700, 50.3775, 114.2761

Square

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



40.9080, 50.3775, 23.4873



35.0798, 50.3775, 78.6854



55.6074, 50.3775, 106.1793



63.4728, 50.3775, 36.3951

Rectangle

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



40.9080, 50.3775, 23.4873



33.9467, 50.3775, 45.5012



55.6074, 50.3775, 106.1793



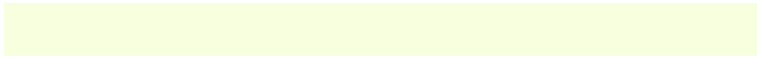
65.1890, 50.3775, 65.4046

Sweetspot

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



40.9092, 50.3797, 23.4884



87.1454, 96.4894, 83.0331



34.6941, 30.3450, 19.9488



18.3871, 20.5341, 16.9319



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.



40.9092, 50.3797, 23.4884



69.6101, 88.5431, 32.8070



32.9567, 46.2801, 23.1162



11.2517, 12.2767, 11.3394



21.1447, 30.3958, 4.7525



1.0650, 1.4721, 0.2280

Inverse Universe

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



26.0889, 21.2180, 55.5467



39.4504, 29.1295, 98.1510



34.0582, 25.3263, 55.9196



10.3041, 10.4150, 13.3847



7.5552, 3.1291, 34.9501



0.4270, 0.1838, 1.6581

Previews

White Background



This preview shows how the XYZ color 40.9080, 50.3775, 23.4873 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 40.9080, 50.3775, 23.4873 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 40.9080, 50.3775, 23.4873

Background



This preview shows how black text looks on a background with the XYZ color 40.9080, 50.3775, 23.4873.



This preview shows how white text looks on a background with the XYZ color 40.9080, 50.3775,

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

40.9080, 50.3775, 23.4873

Protanopia

46.3061, 50.2359, 22.2948

Deuteranopia

51.0687, 49.8791, 24.0756



Tritanopia

48.9245, 50.3697, 63.0208

Trichromacy



Original Color

40.9080, 50.3775, 23.4873

Protanomaly

44.0611, 50.0336, 22.6644

Deuteranomaly

46.7822, 49.8121, 23.9786

Tritanomaly

45.4149, 50.2312, 45.3322

Monochromacy



Original Color

40.9080, 50.3775, 23.4873

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.4465, 47.5587, 38.8409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9080, 50.3775, 23.4873 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(176, 197, 114)` looks like.

```
.text, #text, p{  
    color:rgb(176, 197, 114)  
}
```

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(176, 197, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 197, 114) }
```

Border

The CSS property to change the border of an element to XYZ 40.9080, 50.3775, 23.4873 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(176, 197, 114) }
```


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

```
.border{ border-color:rgb(176, 197, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 197, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 197, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 197, 114);  
box-shadow:4px 4px 4px 4px rgb(176, 197,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9080, 50.3775, 23.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 197, 114) }
```

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

```
.background{ background-color: rgb(176,  
197, 114) }
```

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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