

Converting Colors

XYZ(40.8545, 48.7691, 23.1109)

Have a look what the booklet for
XYZ(40.8545, 48.7691, 23.1109)
contains.

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Color

**XYZ(40.7093, 48.6175,
23.1581)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C072
RGB	180, 192, 114
RGB Percent	71%, 75%, 45%
CMY	0.2941, 0.2470, 0.5529
CMYK	0.06, 0.00, 0.41, 0.25
HSL	69°, 38%, 60%
HSV	69°, 41%, 75%
XYZ	40.7093, 48.6175, 23.1581
YIQ	179.5200, 17.8860, -26.8020

Conversions

Conversions Part 2

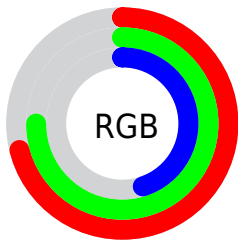
Format	Color
RYB	114, 192, 126
Decimal	11845746
CIELab	75.21, -16.26, 37.88
CIELCh	75, 41.223, 113.234
Yxy	48.6175, 0.3619, 0.4322
Android (android.graphics.Color)	4290035826 (0xFFB4C072)
YUV	179.5200, -32.3014, 0.4210
Hunter-Lab	69.7263, -17.8047, 29.1165

Details

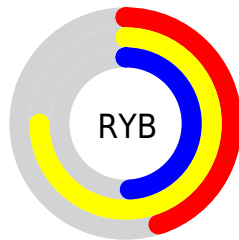
The XYZ color **40.7093, 48.6175, 23.1581** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.1378, 20.2773, 52.5137**, and the grayscale version is **43.2870, 45.5413, 49.5945**.

A 20% lighter version of the original color is **75.4675, 87.9293, 49.5537**, and **18.7622, 23.2710, 8.3534** is the 20% darker color. If you saturate the color by 10%, you get **39.0490, 47.8764, 17.9623**, and if you desaturate by 10%, it is **42.6161, 49.4623, 29.5649**.

Distribution



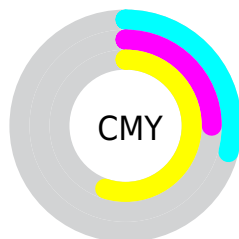
- Red (71%)
- Green (75%)
- Blue (45%)



- Red (45%)
- Yellow (75%)
- Blue (49%)



- Cyan (6%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)



- Cyan (29%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7093, 48.6175, 23.1581 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 40.7093, 48.6175, 23.1581 by changing the saturation by 10% instead.

■ 40.7093, 48.6175,
23.1581

■ 40.7093, 48.6175,
23.1581

340.1875,
381.2346, 281.6842

■ 28.2787, 34.3162,
14.5039

■ 75.5199, 88.1231,
49.5793

■ 18.6774, 23.1366,
8.3292

■ 98.6306, 114.0961,
68.1833

■ 11.5400, 14.6944,
4.2155

■ 126.0320,
144.7285, 90.9411

■ 6.5012, 8.6052,
1.7443

158.0895,
180.4046, 118.2711

■ 3.1957, 4.4846,
0.3908

195.1685,
221.5089, 150.5918

■ 1.2581, 1.9481,
0.0000

237.6342,

■ 0.1515, 0.5771,

268.4257, 188.3219

0.0000

285.8521,
321.5395, 231.8798

■ 0.0000, 0.0000,
0.0000

■ 40.7093, 48.6175,
23.1581

■ 40.7093, 48.6175,
23.1581

■ 39.0490, 47.8764,
17.9623

■ 42.6161, 49.4623,
29.5649

■ 37.6170, 47.2267,
13.8981

■ 44.7792, 50.4095,
37.2491

■ 36.3984, 46.6640,
10.8816


■ 47.2119, 51.4664,
46.2761


■ 35.3746, 46.1809,
8.8162

■ 49.9259, 52.6374,
56.7060


■ 34.5238, 45.7686,
7.5869


■ 52.9318, 53.9270,
68.5950

 33.8435, 45.4305,
6.9852

 56.2399, 55.3392,
81.9964

 59.8599, 56.8779,
96.9609

 61.7040, 57.7080,
102.4943

 62.5199, 58.1286,
102.5325

Harmonies

Analogous

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



47.9431, 48.6175, 21.4247



40.7093, 48.6175, 23.1581



35.5160, 48.6175, 31.7247

Triad

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



40.7093, 48.6175, 23.1581



38.0440, 48.6175, 93.7769



62.1987, 48.6175, 57.9934

Complementary

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



40.7093, 48.6175, 23.1581



24.1378, 20.2773, 52.5137

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.



58.8590, 48.6175, 81.9661



40.7093, 48.6175, 23.1581



44.5181, 48.6175, 105.9685

Square

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



40.7093, 48.6175, 23.1581



34.0985, 48.6175, 71.1149



52.1840, 48.6175, 101.1418



60.8942, 48.6175, 38.1538

Rectangle

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



40.7093, 48.6175, 23.1581



33.6425, 48.6175, 41.8133



52.1840, 48.6175, 101.1418



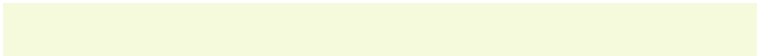
61.5709, 48.6175, 65.8750

Sweetspot

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



40.7105, 48.6197, 23.1591



84.8168, 92.9355, 81.1171



32.1997, 27.2678, 19.4864



18.0678, 19.8822, 16.9217



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



40.7105, 48.6197, 23.1591



70.9872, 86.8511, 33.2550



32.9242, 44.6057, 22.7947



10.7562, 11.6773, 10.7489



22.8250, 30.5956, 4.7025



1.0282, 1.3436, 0.2051

Inverse Universe

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



24.1378, 20.2773, 52.5137



36.7936, 28.3289, 93.8891



30.9881, 23.8087, 52.8343



9.6694, 9.8207, 12.6708



6.7963, 2.7641, 33.7319



0.3405, 0.1436, 1.4596

Previews

White Background



This preview shows how the XYZ color 40.7093, 48.6175, 23.1581 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 40.7093, 48.6175, 23.1581 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

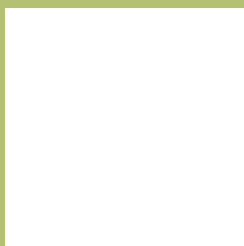
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7093, 48.6175, 23.1581

Background



This preview shows how black text looks on a background with the XYZ color 40.7093, 48.6175, 23.1581.



This preview shows how white text looks on a background with the XYZ color 40.7093, 48.6175,

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

40.7093, 48.6175, 23.1581

Protanopia

44.5753, 48.4022, 22.0321

Deuteranopia

49.3645, 48.4166, 23.5732



Tritanopia

48.0412, 48.4343, 59.6400

Trichromacy



Original Color

40.7093, 48.6175, 23.1581

Protanomaly

43.1560, 48.6056, 22.4365

Deuteranomaly

45.6125, 47.9822, 23.3805

Tritanomaly

44.7837, 48.3469, 43.5308

Monochromacy



Original Color

40.7093, 48.6175, 23.1581

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.9636, 46.3846, 38.1939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7093, 48.6175, 23.1581 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(180, 192, 114)` looks like.

```
.text, #text, p{  
    color:rgb(180, 192, 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(180, 192, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 192, 114) }
```

Border

The CSS property to change the border of an element to XYZ 40.7093, 48.6175, 23.1581 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(180, 192, 114) }
```


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

```
.border{ border-color:rgb(180, 192, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 192, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 192, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 192, 114);  
box-shadow:4px 4px 4px 4px rgb(180, 192,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7093, 48.6175, 23.1581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 192, 114) }
```

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

```
.background{ background-color: rgb(180,  
192, 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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