

Converting Colors

XYZ(40.3776, 48.3130, 18.1789)

Have a look what the booklet for
XYZ(40.3776, 48.3130, 18.1789)
contains.

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Color

**XYZ(40.2706, 48.1734,
18.2422)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BF60
RGB	183, 191, 96
RGB Percent	72%, 75%, 38%
CMY	0.2824, 0.2510, 0.6235
CMYK	0.04, 0.00, 0.50, 0.25
HSL	65°, 43%, 56%
HSV	65°, 50%, 75%
XYZ	40.2706, 48.1734, 18.2422
YIQ	177.7780, 25.7270, -31.2410

Conversions

Conversions Part 2

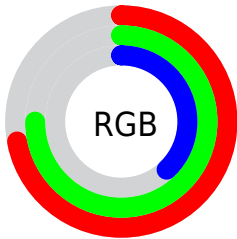
Format	Color
R_{YB}	96, 191, 104
Decimal	12042080
CIE Lab	74.93, -16.42, 46.53
CIE LCh	75, 49.339, 109.439
Yxy	48.1734, 0.3775, 0.4515
Android (android.graphics.Color)	4290232160 (0xFFB7BF60)
YUV	177.7780, -40.3166, 4.5797
Hunter-Lab	69.4071, -17.8951, 33.0018

Details

The XYZ color **40.2706, 48.1734, 18.2422** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.2974, 15.0715, 51.1850**, and the grayscale version is **42.3974, 44.6054, 48.5753**.

A 20% lighter version of the original color is **74.9612, 87.3922, 41.3513**, and **18.4642, 22.9556, 5.9403** is the 20% darker color. If you saturate the color by 10%, you get **39.1158, 47.6692, 14.1425**, and if you desaturate by 10%, it is **41.6458, 48.7697, 23.4693**.

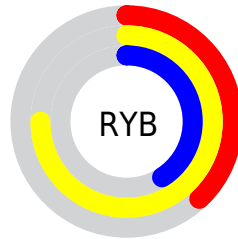
Distribution



Red (72%)

Green (75%)

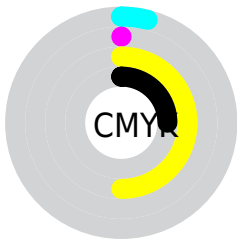
Blue (38%)



Red (38%)

Yellow (75%)

Blue (41%)

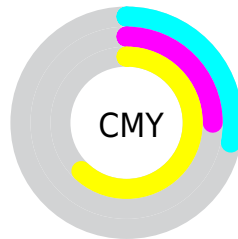


Cyan (4%)

Magenta (0%)

Yellow (50%)

Black (25%)



Cyan (28%)

Magenta (25%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2706, 48.1734, 18.2422 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 40.2706, 48.1734, 18.2422 by changing the saturation by 10% instead.

■ 40.2706, 48.1734,
18.2422

■ 40.2706, 48.1734,
18.2422

338.3777,
379.4790, 254.5145

■ 27.9347, 33.9642,
10.9528

■ 74.8571, 87.4625,
41.2691

■ 18.4167, 22.8661,
5.9213

■ 97.8385, 113.3113,
57.8436

■ 11.3510, 14.4947,
2.7293

■ 125.0991,
143.8086, 78.3503

■ 6.3725, 8.4655,
0.9581

■ 157.0042,
179.3391, 103.2077

■ 3.1157, 4.3942,
0.0000

193.9193,
220.2869, 132.8342

■ 1.2152, 1.8964,
0.0000

236.2097,

■ 0.1183, 0.5462,

267.0366, 167.6485

0.0000

284.2407,
319.9725, 208.0691

■ 0.0000, 0.0000,
0.0000

■ 40.2706, 48.1734,
18.2422

■ 40.2706, 48.1734,
18.2422

■ 39.1158, 47.6692,
14.1425

■ 41.6458, 48.7697,
23.4693

■ 38.1621, 47.2443,
11.0843

■ 43.2521, 49.4572,
29.8953

■ 37.3927, 46.8936,
8.9741


■ 45.1035, 50.2433,
37.5895


■ 36.7866, 46.6086,
7.7008


■ 47.2122, 51.1327,
46.6149


■ 36.3033, 46.3734,
7.0519

■ 49.5892, 52.1301,
57.0305

 36.2911, 46.3674,
7.0371

 52.2451, 53.2395,
68.8916

 55.1899, 54.4649,
82.2505

 58.4330, 55.8102,
97.1570

 59.8349, 56.4196,
102.3442

Harmonies

Analogous

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



49.0303, 48.1734, 17.2786



40.2706, 48.1734, 18.2422



33.8673, 48.1734, 26.3915

Triad

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



40.2706, 48.1734, 18.2422



35.4389, 48.1734, 99.7852



64.9758, 48.1734, 62.0626

Complementary

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



40.2706, 48.1734, 18.2422



19.2974, 15.0715, 51.1850

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.



60.2199, 48.1734, 91.6928



40.2706, 48.1734, 18.2422



42.6907, 48.1734, 117.7477

Square

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



40.2706, 48.1734, 18.2422



31.3409, 48.1734, 70.7193



51.7863, 48.1734, 114.3791



64.1049, 48.1734, 37.6380

Rectangle

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



40.2706, 48.1734, 18.2422



31.4309, 48.1734, 36.9121



51.7863, 48.1734, 114.3791



63.9601, 48.1734, 71.8376

Sweetspot

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



40.2718, 48.1756, 18.2432



82.4176, 90.6744, 74.2926



28.5407, 21.8060, 13.7716



17.9246, 19.8380, 15.5744



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.



40.2718, 48.1756, 18.2432



69.8270, 85.2713, 24.5681



30.8297, 43.3080, 17.8013



10.2408, 11.0786, 10.1753



23.8820, 30.4875, 4.6260



0.9591, 1.2064, 0.1823

Inverse Universe

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



19.2974, 15.0715, 51.1850



27.9104, 19.0578, 90.4866



26.4283, 18.7476, 51.5188



9.0890, 9.2628, 11.9811



6.3509, 2.5601, 32.5523



0.2744, 0.1135, 1.2763

Previews

White Background



This preview shows how the XYZ color 40.2706, 48.1734, 18.2422 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 40.2706, 48.1734, 18.2422 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 40.2706, 48.1734, 18.2422

Background



This preview shows how black text looks on a background with the XYZ color 40.2706, 48.1734, 18.2422.



This preview shows how white text looks on a background with the XYZ color 40.2706, 48.1734,

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

40.2706, 48.1734, 18.2422

Protanopia

43.7895, 47.7856, 17.5053

Deuteranopia

48.8769, 47.9783, 18.7412



Tritanopia

48.3070, 48.0069, 57.7591

Trichromacy



Original Color

40.2706, 48.1734, 18.2422

Protanomaly

42.6008, 48.1026, 17.8659

Deuteranomaly

45.3543, 47.6502, 18.6114

Tritanomaly

44.5472, 47.6968, 39.2063

Monochromacy



Original Color

40.2706, 48.1734, 18.2422

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.1012, 45.7084, 34.6733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2706, 48.1734, 18.2422 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(183, 191, 96)` looks like.

```
.text, #text, p{  
    color:rgb(183, 191, 96)  
}
```

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(183, 191, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 191, 96) }
```

Border

The CSS property to change the border of an element to XYZ 40.2706, 48.1734, 18.2422 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(183, 191, 96) }
```


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

```
.border{ border-color:rgb(183, 191, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 191, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 191, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 191, 96);  
box-shadow:4px 4px 4px 4px rgb(183, 191,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2706, 48.1734, 18.2422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 191, 96) }
```

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

```
.background{ background-color: rgb(183,  
191, 96) }
```

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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