

Converting Colors

XYZ(40.2927, 48.2780, 22.9879)

Have a look what the booklet for
XYZ(40.2927, 48.2780, 22.9879)
contains.

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Color

**XYZ(40.4773, 48.4979,
23.1472)**

Conversions

Conversions Part 1

Format	Color
Hex	B3C072
RGB	179, 192, 114
RGB Percent	70%, 75%, 45%
CMY	0.2980, 0.2470, 0.5529
CMYK	0.07, 0.00, 0.41, 0.25
HSL	70°, 38%, 60%
HSV	70°, 41%, 75%
XYZ	40.4773, 48.4979, 23.1472
YIQ	179.2210, 17.2900, -27.0140

Conversions

Conversions Part 2

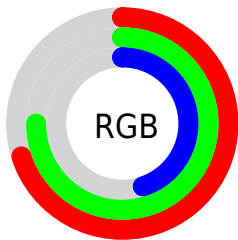
Format	Color
RYB	114, 192, 127
Decimal	11780210
CIELab	75.14, -16.66, 37.77
CIElCh	75, 41.279, 113.798
Yxy	48.4979, 0.3610, 0.4325
Android (android.graphics.Color)	4289970290 (0xFFB3C072)
YUV	179.2210, -32.1540, -0.1938
Hunter-Lab	69.6404, -18.1207, 29.0414

Details

The XYZ color **40.4773, 48.4979, 23.1472** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.2860, 20.3537, 52.5206**, and the grayscale version is **43.1264, 45.3723, 49.4105**.

A 20% lighter version of the original color is **75.1345, 87.7577, 49.5381**, and **18.6155, 23.1954, 8.3465** is the 20% darker color. If you saturate the color by 10%, you get **38.7663, 47.7307, 17.9490**, and if you desaturate by 10%, it is **42.4373, 49.3701, 29.5565**.

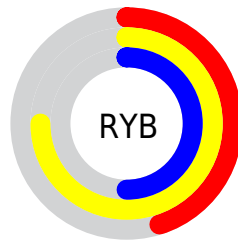
Distribution



Red (70%)

Green (75%)

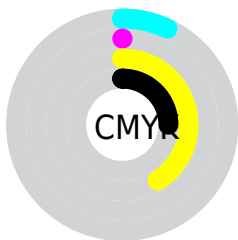
Blue (45%)



Red (45%)

Yellow (75%)

Blue (50%)

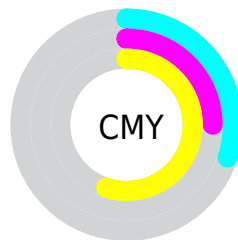


Cyan (7%)

Magenta (0%)

Yellow (41%)

Black (25%)



Cyan (30%)


Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4773, 48.4979, 23.1472 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 40.4773, 48.4979, 23.1472 by changing the saturation by 10% instead.


 40.4773, 48.4979,
23.1472


 40.4773, 48.4979,
23.1472


339.2313,
380.7623, 281.6265


 28.0968, 34.2214,
14.4959


 75.1695, 87.9453,
49.5612

 18.5394, 23.0637,
8.3237


 98.2119, 113.8849,
68.1609

 11.4400, 14.6405,
4.2120


 125.5389,
144.4810, 90.9139

 6.4331, 8.5675,
1.7424

157.5159,
180.1179, 118.2387

 3.1533, 4.4602,
0.3895

194.5083,
221.1801, 150.5539

 1.2353, 1.9342,
0.0000

236.8814,

 0.1340, 0.5688,

268.0520, 188.2778

0.0000

285.0006,
321.1179, 231.8292

■ 0.0000, 0.0000,
0.0000

■ 40.4773, 48.4979,
23.1472

■ 40.4773, 48.4979,
23.1472

■ 38.7663, 47.7307,
17.9490

■ 42.4373, 49.3701,
29.5565

■ 37.2861, 47.0561,
13.8825

■ 44.6561, 50.3461,
37.2433

■ 36.0217, 46.4698,
10.8640


■ 47.1471, 51.4329,
46.2730

■ 34.9547, 45.9644,
8.7965


■ 49.9219, 52.6354,
56.7057


■ 34.0629, 45.5310,
7.5653


■ 52.9913, 53.9577,
68.5977

 33.3465, 45.1743,
6.9620

 56.3655, 55.4039,
82.0022

 60.0543, 56.9781,
96.9698

 61.9699, 57.8451,
102.5068

 62.8599, 58.3039,
102.5484

Harmonies

Analogous

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



47.6835, 48.4979, 21.2974



40.4773, 48.4979, 23.1472



35.3361, 48.4979, 31.8425

Triad

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



40.4773, 48.4979, 23.1472



38.0348, 48.4979, 94.0101



62.1038, 48.4979, 57.4307

Complementary

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



40.4773, 48.4979, 23.1472



24.2860, 20.3537, 52.5206

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.



58.8441, 48.4979, 81.3972



40.4773, 48.4979, 23.1472



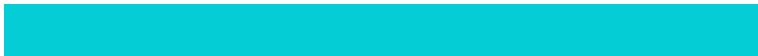
44.5437, 48.4979, 105.9248

Square

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



40.4773, 48.4979, 23.1472



34.0374, 48.4979, 71.4419



52.2116, 48.4979, 100.7700



60.7109, 48.4979, 37.7302

Rectangle

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



40.4773, 48.4979, 23.1472



33.5023, 48.4979, 42.0244



52.2116, 48.4979, 100.7700



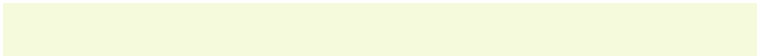
61.5054, 48.4979, 65.2899

Sweetspot

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



40.4785, 48.5001, 23.1482



84.6826, 92.8663, 81.1108



32.3666, 27.6015, 19.5419



18.0360, 19.8658, 16.9202



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.



40.4785, 48.5001, 23.1482



70.4826, 86.5910, 33.2313



32.7038, 44.4921, 22.7844



10.7433, 11.6706, 10.7483



22.4939, 30.4249, 4.6870



1.0167, 1.3377, 0.2046

Inverse Universe

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



24.2860, 20.3537, 52.5206



37.0754, 28.4741, 93.9023



31.2592, 23.9485, 52.8470



9.6813, 9.8269, 12.6713



6.8485, 2.7910, 33.7344



0.3458, 0.1463, 1.4599

Previews

White Background



This preview shows how the XYZ color 40.4773, 48.4979, 23.1472 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 40.4773, 48.4979, 23.1472 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 40.4773, 48.4979, 23.1472

Background



This preview shows how black text looks on a background with the XYZ color 40.4773, 48.4979, 23.1472.



This preview shows how white text looks on a background with the XYZ color 40.4773, 48.4979,

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

40.4773, 48.4979, 23.1472

Protanopia

44.5753, 48.4022, 22.0321

Deuteranopia

49.4236, 48.4403, 23.8845



Tritanopia

47.7923, 48.3059, 59.6284

Trichromacy



Original Color

40.4773, 48.4979, 23.1472

Protanomaly

43.1560, 48.6056, 22.4365

Deuteranomaly

45.6710, 48.0056, 23.6885

Tritanomaly

44.5415, 48.2221, 43.5194

Monochromacy



Original Color

40.4773, 48.4979, 23.1472

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.6473, 46.2312, 37.7388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4773, 48.4979, 23.1472 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(179, 192, 114)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 192, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 192, 114) }
```

Border

The CSS property to change the border of an element to XYZ 40.4773, 48.4979, 23.1472 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(179, 192, 114) }
```


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

```
.border{ border-color:rgb(179, 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(179, 192, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 192, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 192, 114);  
box-shadow:4px 4px 4px 4px rgb(179, 192,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4773, 48.4979, 23.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 192, 114) }
```

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

```
.background{ background-color: rgb(179,  
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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