

Converting Colors

$Y_{xy}(49.7675, 0.3678, 0.4322)$

Have a look what the booklet for
Yxy(49.7675, 0.3678, 0.4322)
contains.

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Color

Yxy(49.7713, 0.3676, 0.4325)

Conversions

Conversions Part 1

Format	Color
Hex	BAC171
RGB	186, 193, 113
RGB Percent	73%, 76%, 44%
CMY	0.2705, 0.2431, 0.5568
CMYK	0.04, 0.00, 0.41, 0.24
HSL	65°, 39%, 60%
HSV	65°, 41%, 76%
XYZ	42.3027, 49.7713, 23.0041
YIQ	181.7870, 21.5080, -26.3640

Conversions

Conversions Part 2

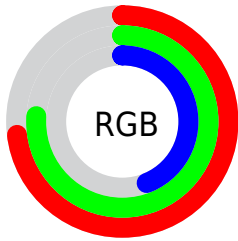
Format	Color
RYB	113, 193, 120
Decimal	12239217
CIELab	75.93, -14.49, 39.38
CIELCh	76, 41.962, 110.206
Yxy	49.7713, 0.3676, 0.4325
Android (android.graphics.Color)	4290429297 (0xFFBAC171)
YUV	181.7870, -33.9120, 3.6948
Hunter-Lab	70.5488, -16.4275, 30.0512

Details

The Yxy color **49.7713, 0.3676, 0.4325** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.6578, 0.2426, 0.2049**, and the grayscale version is **46.8389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5592, 0.3589, 0.4136**, and **23.9403, 0.3786, 0.4616** is the 20% darker color. If you saturate the color by 10%, you get **49.1739, 0.3791, 0.4555**, and if you desaturate by 10%, it is **50.4681, 0.3549, 0.4078**.

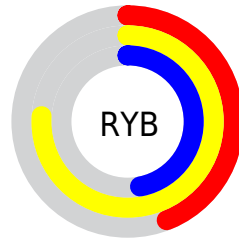
Distribution



Red (73%)

Green (76%)

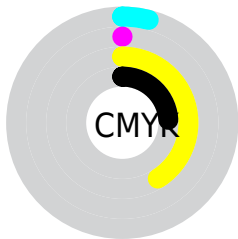
Blue (44%)



Red (44%)

Yellow (76%)

Blue (47%)

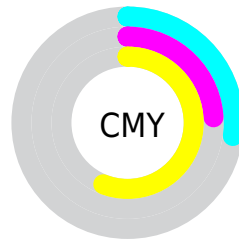


Cyan (4%)

Magenta (0%)

Yellow (41%)

Black (24%)



Cyan (27%)


Magenta (24%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7713, 0.3676, 0.4325 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 Yxy color 49.7713, 0.3676, 0.4325 by changing the saturation by 10% instead.

 49.7713, 0.3676,
0.4325

 49.7713, 0.3676,
0.4325


385.7709, 0.3421,
0.3807


 35.2317, 0.3731,
0.4451


 89.8359, 0.3589,
0.4138


 23.8414, 0.3795,
0.4610


 116.1298, 0.3555,
0.4068

 15.2160, 0.3869,
0.4813


 147.1105, 0.3525,
0.4008

 8.9711, 0.3949,
0.5079

 183.1625, 0.3499,
0.3956

 4.7224, 0.4067,
0.5499

224.6701, 0.3476,
0.3911

 2.0853, 0.4050,
0.5950

272.0178, 0.3456,

 0.6563, 0.2915,

0.3872

0.7085

325.5899, 0.3438,
0.3838

0.0000, 0.0000,
0.0000

49.7713, 0.3676,
0.4325

49.7713, 0.3676,
0.4325

49.1739, 0.3791,
0.4555

50.4681, 0.3549,
0.4078

48.6633, 0.3888,
0.4758

51.2630, 0.3415,
0.3823

48.2351, 0.3962,
0.4925


52.1633, 0.3280,
0.3570


47.8818, 0.4012,
0.5050

53.1735, 0.3146,
0.3325

47.5943, 0.4036,
0.5132


54.2980, 0.3018,
0.3091

 47.3860, 0.4040,
0.5174

 55.5410, 0.2896,
0.2873

 56.9064, 0.2784,
0.2672

 57.5721, 0.2753,
0.2606

 57.8049, 0.2764,
0.2609

Harmonies

Analogous

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



49.7713, 0.4106, 0.4094



49.7713, 0.3676, 0.4325



49.7713, 0.3121, 0.4236

Triad

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



49.7713, 0.3676, 0.4325



49.7713, 0.2099, 0.2727



49.7713, 0.3634, 0.2839

Complementary

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



49.7713, 0.3676, 0.4325



19.6578, 0.2426, 0.2049

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.



49.7713, 0.3048, 0.2536



49.7713, 0.3676, 0.4325



49.7713, 0.2204, 0.2449

Square

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



49.7713, 0.3676, 0.4325



49.7713, 0.2233, 0.3215



49.7713, 0.2534, 0.2394



49.7713, 0.4101, 0.3247

Rectangle

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



49.7713, 0.3676, 0.4325



49.7713, 0.2758, 0.3976



49.7713, 0.2534, 0.2394



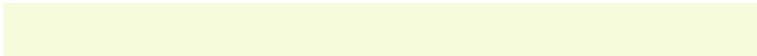
49.7713, 0.3441, 0.2723

Sweetspot

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



49.7736, 0.3676, 0.4325



93.2966, 0.3290, 0.3589



25.8868, 0.4138, 0.3384



19.9678, 0.3307, 0.3622



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



49.7736, 0.3676, 0.4325



88.1354, 0.3784, 0.4541



45.4757, 0.3328, 0.4456



11.7121, 0.3252, 0.3518



31.5344, 0.4042, 0.5172



1.3759, 0.4078, 0.5144

Inverse Universe

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



19.6578, 0.2426, 0.2049



26.7740, 0.2236, 0.1725



23.1042, 0.2816, 0.2171



9.7891, 0.2996, 0.3053



2.6546, 0.1533, 0.0618



0.1293, 0.1646, 0.0681

Previews

White Background



This preview shows how the Yxy color 49.7713, 0.3676, 0.4325 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 Yxy color 49.7713, 0.3676, 0.4325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

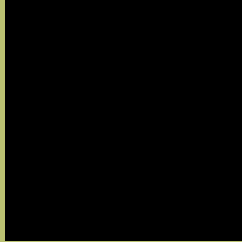
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7713, 0.3676, 0.4325

Background



This preview shows how black text looks on a background with the Yxy color 49.7713, 0.3676, 0.4325.



This preview shows how white text looks on a background with the Yxy color 49.7713, 0.3676, 0.4325.

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

49.7713, 0.3676, 0.4325

Protanopia

49.6675, 0.3893, 0.4220

Deuteranopia

49.6699, 0.4092, 0.4014



Tritanopia

49.6340, 0.3127, 0.3118

Trichromacy



Original Color

49.7713, 0.3676, 0.4325

Protanomaly

49.5708, 0.3811, 0.4254

Deuteranomaly

49.3677, 0.3934, 0.4123

Tritanomaly

49.5003, 0.3336, 0.3559

Monochromacy



Original Color

49.7713, 0.3676, 0.4325

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.6194, 0.3331, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7713, 0.3676, 0.4325 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(186, 193, 113)` looks like.

```
.text, #text, p{  
    color:rgb(186, 193, 113)  
}
```

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(186, 193, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 193, 113) }
```

Border

The CSS property to change the border of an element to Yxy 49.7713, 0.3676, 0.4325 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(186, 193, 113) }
```

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

```
.border{ border-color:rgb(186, 193, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 193, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 193, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 193, 113);  
box-shadow:4px 4px 4px 4px rgb(186, 193,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7713, 0.3676, 0.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 193, 113) }
```

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

```
.background{ background-color: rgb(186,  
193, 113) }
```

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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