

Converting Colors

Yxy(46.4308, 0.2800, 0.4059)

Have a look what the booklet for
Yxy(46.4308, 0.2800, 0.4059)
contains.

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Color

Yxy(46.5747, 0.2796, 0.4056)

Conversions

Conversions Part 1

Format	Color
Hex	6AC896
RGB	106, 200, 150
RGB Percent	42%, 78%, 59%
CMY	0.5841, 0.2157, 0.4118
CMYK	0.47, 0.00, 0.25, 0.22
HSL	148°, 46%, 60%
HSV	148°, 47%, 78%
XYZ	32.1062, 46.5747, 36.1482
YIQ	166.1940, -39.9740, -35.4780

Conversions

Conversions Part 2

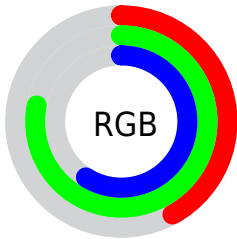
Format	Color
RYB	106, 170, 200
Decimal	6998166
CIELab	73.92, -39.35, 16.54
CIELCh	74, 42.689, 157.199
Yxy	46.5747, 0.2796, 0.4056
Android (android.graphics.Color)	4285188246 (0xFF6AC896)
YUV	166.1940, -7.9836, -52.7901
Hunter-Lab	68.2457, -35.4544, 16.3674

Details

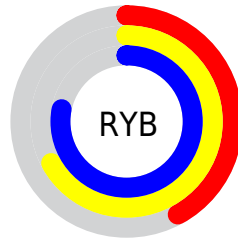
The Yxy color **46.5747, 0.2796, 0.4056** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.9981, 0.3704, 0.2647**, and the grayscale version is **38.2912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5610, 0.2861, 0.3884**, and **21.8046, 0.2689, 0.4297** is the 20% darker color. If you saturate the color by 10%, you get **45.1628, 0.2751, 0.4257**, and if you desaturate by 10%, it is **48.3073, 0.2854, 0.3866**.

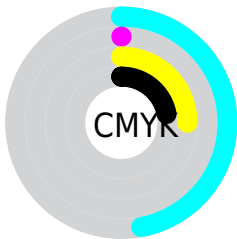
Distribution



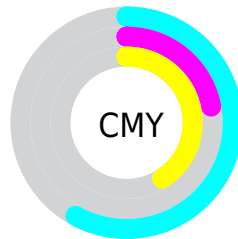
- Red (42%)
- Green (78%)
- Blue (59%)



- Red (42%)
- Yellow (67%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (25%)
- Black (22%)



- Cyan (58%)
- Magenta (22%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5747, 0.2796, 0.4056 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 46.5747, 0.2796, 0.4056 by changing the saturation by 10% instead.


 46.5747, 0.2796,
0.4056

 46.5747, 0.2796,
0.4056


373.1143, 0.2971,
0.3654


 32.6996, 0.2749,
0.4163


 85.0784, 0.2862,
0.3905


 21.8964, 0.2688,
0.4303


 110.4758, 0.2886,
0.3850

 13.7808, 0.2603,
0.4497


 140.4828, 0.2906,
0.3804

 7.9684, 0.2478,
0.4779

 175.4836, 0.2923,
0.3765

 4.0747, 0.2279,
0.5226

215.8628, 0.2937,
0.3731

 1.7154, 0.1838,
0.6261

262.0047, 0.2950,

 0.4336, 0.0000,

0.3702

1.0000

314.2938, 0.2961,
0.3677

■ 0.0000, 0.0000,
0.0000

■ 46.5747, 0.2796,
0.4056

■ 46.5747, 0.2796,
0.4056

■ 45.1628, 0.2751,
0.4257

■ 48.3073, 0.2854,
0.3866

■ 44.0449, 0.2722,
0.4465

■ 50.3740, 0.2921,
0.3689

■ 43.1993, 0.2711,
0.4674


■ 52.7940, 0.2995,
0.3528


■ 42.5985, 0.2720,
0.4877


■ 55.5836, 0.3072,
0.3382

■ 42.2058, 0.2747,
0.5068


■ 58.7580, 0.3151,
0.3252

 42.1082, 0.2757,
0.5124

 62.3315, 0.3229,
0.3138

 66.3177, 0.3306,
0.3037

 68.5747, 0.3296,
0.2938

 69.2091, 0.3218,
0.2837

Harmonies

Analogous

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



46.5747, 0.3374, 0.4365



46.5747, 0.2796, 0.4056



46.5747, 0.2335, 0.3476

Triad

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



46.5747, 0.2796, 0.4056



46.5747, 0.2337, 0.2360



46.5747, 0.4286, 0.3504

Complementary

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



46.5747, 0.2796, 0.4056



24.9981, 0.3704, 0.2647

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.



46.5747, 0.3959, 0.3051



46.5747, 0.2796, 0.4056



46.5747, 0.2794, 0.2423

Square

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



46.5747, 0.2796, 0.4056



46.5747, 0.2095, 0.2512



46.5747, 0.3391, 0.2669



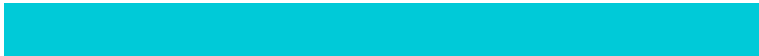
46.5747, 0.4259, 0.3953

Rectangle

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



46.5747, 0.2796, 0.4056



46.5747, 0.2145, 0.3076



46.5747, 0.3391, 0.2669



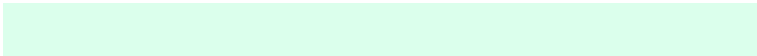
46.5747, 0.4214, 0.3350

Sweetspot

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



46.5766, 0.2796, 0.4056



92.6827, 0.3016, 0.3486



49.4327, 0.3436, 0.4591



19.6218, 0.3000, 0.3519



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.5766, 0.2796, 0.4056



78.2325, 0.2751, 0.4254



48.3999, 0.2525, 0.3333



11.9691, 0.3054, 0.3416



26.7920, 0.2750, 0.5098



1.2832, 0.2638, 0.4698

Inverse Universe

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



24.9981, 0.3704, 0.2647



36.5321, 0.3887, 0.2529



23.7041, 0.4357, 0.3253



10.7297, 0.3208, 0.3168



8.4935, 0.4805, 0.2420



0.4167, 0.4384, 0.2189

Previews

White Background



This preview shows how the Yxy color 46.5747, 0.2796, 0.4056 looks on a white background.

Color Contrast Check

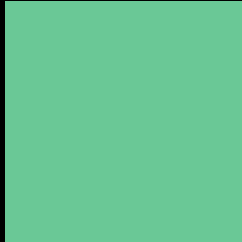
Large Text (above 18pt) WCAG AA × Fail

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 46.5747, 0.2796, 0.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

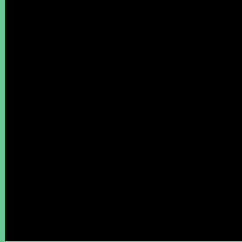
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5747, 0.2796, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 46.5747, 0.2796, 0.4056.



This preview shows how white text looks on a background with the Yxy color 46.5747, 0.2796, 0.4056.

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

46.5747, 0.2796, 0.4056

Protanopia

45.7721, 0.3560, 0.3801

Deuteranopia

45.9378, 0.3587, 0.3516



Tritanopia

46.3183, 0.2524, 0.3067

Trichromacy



Original Color

46.5747, 0.2796, 0.4056



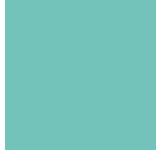
Protanomaly

45.1313, 0.3240, 0.3899



Deuteranomaly

44.7461, 0.3246, 0.3691



Tritanomaly

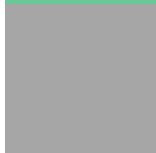
46.3311, 0.2622, 0.3404

Monochromacy



Original Color

46.5747, 0.2796, 0.4056



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.3081, 0.2979, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5747, 0.2796, 0.4056 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(106, 200, 150)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 150)  
}
```

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(106, 200, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 150) }
```

Border

The CSS property to change the border of an element to Yxy 46.5747, 0.2796, 0.4056 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(106, 200, 150) }
```

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

```
.border{ border-color:rgb(106, 200, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 200, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 200, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 200, 150);  
box-shadow:4px 4px 4px 4px rgb(106, 200,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5747, 0.2796, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 150) }
```

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

```
.background{ background-color: rgb(106,  
200, 150) }
```

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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