

Converting Colors

$Yxy(45.8343, 0.2814, 0.4154)$

Have a look what the booklet for
Yxy(45.8343, 0.2814, 0.4154)
contains.

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Color

Yxy(45.7440, 0.2813, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	67C790
RGB	103, 199, 144
RGB Percent	40%, 78%, 56%
CMY	0.5961, 0.2196, 0.4352
CMYK	0.48, 0.00, 0.28, 0.22
HSL	146°, 46%, 59%
HSV	146°, 48%, 78%
XYZ	31.0516, 45.7440, 33.5905
YIQ	164.0260, -39.5610, -37.4570

Conversions

Conversions Part 2

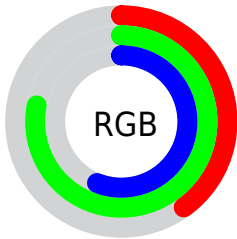
Format	Color
RYB	103, 170, 199
Decimal	6801296
CIELab	73.38, -40.89, 18.96
CIELCh	73, 45.073, 155.121
Yxy	45.7440, 0.2813, 0.4144
Android (android.graphics.Color)	4284991376 (0xFF67C790)
YUV	164.0260, -9.8728, -53.5198
Hunter-Lab	67.6343, -36.4089, 17.8977

Details

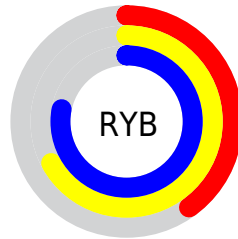
The Yxy color **45.7440, 0.2813, 0.4144** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.3079, 0.3675, 0.2584**, and the grayscale version is **37.1998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9681, 0.2876, 0.3961**, and **21.2947, 0.2709, 0.4427** is the 20% darker color. If you saturate the color by 10%, you get **44.3749, 0.2773, 0.4362**, and if you desaturate by 10%, it is **47.4320, 0.2866, 0.3936**.

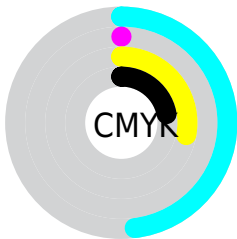
Distribution



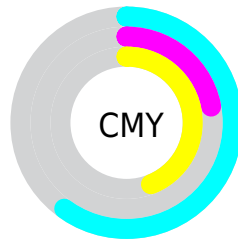
- Red (40%)
- Green (78%)
- Blue (56%)



- Red (40%)
- Yellow (67%)
- Blue (78%)



- Cyan (48%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)




- Cyan (60%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7440, 0.2813, 0.4144 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 45.7440, 0.2813, 0.4144 by changing the saturation by 10% instead.


 45.7440, 0.2813,
0.4144


 45.7440, 0.2813,
0.4144


369.7785, 0.2982,
0.3693


 32.0439, 0.2767,
0.4265


 83.8357, 0.2877,
0.3974


 21.3950, 0.2705,
0.4424


 108.9961, 0.2900,
0.3912

 13.4130, 0.2619,
0.4645


 138.7454, 0.2920,
0.3860

 7.7136, 0.2490,
0.4969

 173.4679, 0.2936,
0.3817

 3.9122, 0.2280,
0.5484

213.5481, 0.2950,
0.3779

 1.6246, 0.1765,
0.6999

259.3703, 0.2962,

 0.3741, 0.0000,

0.3746

1.0000

311.3190, 0.2973,
0.3718

■ 0.0000, 0.0000,
0.0000

■ 45.7440, 0.2813,
0.4144

■ 45.7440, 0.2813,
0.4144

■ 44.3749, 0.2773,
0.4362

■ 47.4320, 0.2866,
0.3936

■ 43.2979, 0.2749,
0.4586

■ 49.4525, 0.2928,
0.3743

■ 42.4908, 0.2743,
0.4809


■ 51.8250, 0.2996,
0.3567


■ 41.9257, 0.2756,
0.5022

■ 54.5659, 0.3067,
0.3408


■ 41.5601, 0.2787,
0.5219


■ 57.6904, 0.3140,
0.3266

 41.5054, 0.2792,
0.5252

 61.2130, 0.3212,
0.3141

 65.1473, 0.3283,
0.3031

 68.1170, 0.3296,
0.2928

 68.7975, 0.3213,
0.2820

Harmonies

Analogous

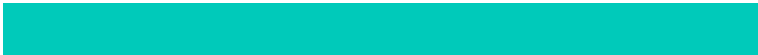
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.7440, 0.3427, 0.4443



45.7440, 0.2813, 0.4144



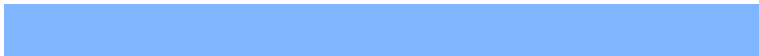
45.7440, 0.2315, 0.3531

Triad

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



45.7440, 0.2813, 0.4144



45.7440, 0.2267, 0.2312



45.7440, 0.4346, 0.3476

Complementary

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



45.7440, 0.2813, 0.4144



24.3079, 0.3675, 0.2584

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.



45.7440, 0.3974, 0.3004



45.7440, 0.2813, 0.4144



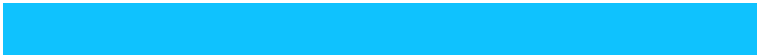
45.7440, 0.2733, 0.2365

Square

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



45.7440, 0.2813, 0.4144



45.7440, 0.2031, 0.2486



45.7440, 0.3360, 0.2612



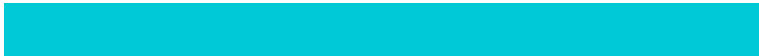
45.7440, 0.4340, 0.3953

Rectangle

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



45.7440, 0.2813, 0.4144



45.7440, 0.2106, 0.3100



45.7440, 0.3360, 0.2612



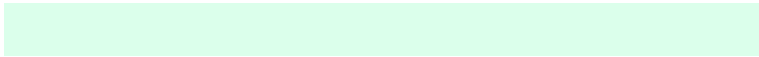
45.7440, 0.4261, 0.3314

Sweetspot

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



45.7459, 0.2813, 0.4144



92.5994, 0.3024, 0.3501



49.1981, 0.3482, 0.4609



19.6016, 0.3009, 0.3536



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.



45.7459, 0.2813, 0.4144



77.5665, 0.2771, 0.4376



47.4930, 0.2539, 0.3404



11.9619, 0.3059, 0.3425



26.7047, 0.2785, 0.5226



1.2789, 0.2669, 0.4808

Inverse Universe

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



24.3079, 0.3675, 0.2584



35.5921, 0.3855, 0.2450



22.9881, 0.4338, 0.3189



10.7370, 0.3202, 0.3159



8.6057, 0.4637, 0.2328



0.4218, 0.4261, 0.2121

Previews

White Background



This preview shows how the Yxy color 45.7440, 0.2813, 0.4144 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 45.7440, 0.2813, 0.4144 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 45.7440, 0.2813, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 45.7440, 0.2813, 0.4144.



This preview shows how white text looks on a background with the Yxy color 45.7440, 0.2813, 0.4144.

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

45.7440, 0.2813, 0.4144

Protanopia

45.1959, 0.3614, 0.3868

Deuteranopia

44.9725, 0.3648, 0.3567



Tritanopia

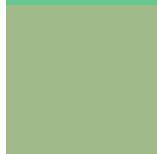
45.6398, 0.2521, 0.3079

Trichromacy



Original Color

45.7440, 0.2813, 0.4144



Protanomaly

44.4264, 0.3279, 0.3975



Deuteranomaly

44.0290, 0.3286, 0.3765



Tritanomaly

45.5132, 0.2627, 0.3450

Monochromacy



Original Color

45.7440, 0.2813, 0.4144



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.6294, 0.2986, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7440, 0.2813, 0.4144 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(103, 199, 144)` looks like.

```
.text, #text, p{  
    color:rgb(103, 199, 144)  
}
```

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(103, 199, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 199, 144) }
```

Border

The CSS property to change the border of an element to Yxy 45.7440, 0.2813, 0.4144 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(103, 199, 144) }
```

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

```
.border{ border-color:rgb(103, 199, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 199, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 199, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 199, 144); box-shadow:4px 4px 4px 4px rgb(103, 199, 144) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7440, 0.2813, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 199, 144) }
```

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

```
.background{ background-color: rgb(103,  
199, 144) }
```

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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