

Converting Colors

$Yxy(46.0234, 0.2982, 0.4217)$

Have a look what the booklet for
Yxy(46.0234, 0.2982, 0.4217)
contains.

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Color

Yxy(45.8477, 0.2984, 0.4217)

Conversions

Conversions Part 1

Format	Color
Hex	7AC588
RGB	122, 197, 136
RGB Percent	48%, 77%, 53%
CMY	0.5213, 0.2275, 0.4667
CMYK	0.38, 0.00, 0.31, 0.23
HSL	131°, 39%, 63%
HSV	131°, 38%, 77%
XYZ	32.4424, 45.8477, 30.4310
YIQ	167.6210, -25.1190, -34.8710

Conversions

Conversions Part 2

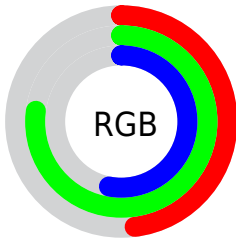
Format	Color
RYB	122, 185, 197
Decimal	8045960
CIELab	73.45, -36.11, 23.46
CIELCh	73, 43.063, 146.997
Yxy	45.8477, 0.2984, 0.4217
Android (android.graphics.Color)	4286236040 (0xFF7AC588)
YUV	167.6210, -15.5892, -40.0096
Hunter-Lab	67.7109, -32.9693, 20.7512

Details

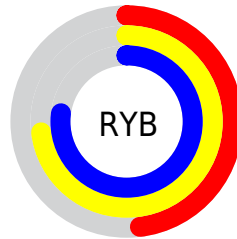
The Yxy color $45.8477, 0.2984, 0.4217$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $29.2249, 0.3317, 0.2515$, and the grayscale version is $39.0567, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9484, 0.3016, 0.4028$, and $21.5820, 0.2921, 0.4518$ is the 20% darker color. If you saturate the color by 10%, you get $44.1312, 0.2954, 0.4514$, and if you desaturate by 10%, it is $47.9278, 0.3019, 0.3938$.

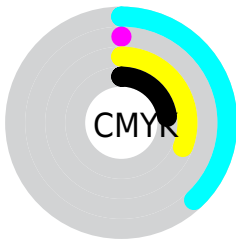
Distribution



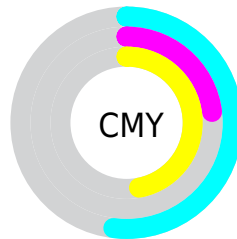
- Red (48%)
- Green (77%)
- Blue (53%)



- Red (48%)
- Yellow (73%)
- Blue (77%)



- Cyan (38%)
- Magenta (0%)
- Yellow (31%)
- Black (23%)





- Cyan (52%)
- Magenta (23%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8477, 0.2984, 0.4217 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 45.8477, 0.2984, 0.4217 by changing the saturation by 10% instead.


 45.8477, 0.2984,
0.4217


 45.8477, 0.2984,
0.4217


370.1960, 0.3069,
0.3727

 32.1257, 0.2958,
0.4348


 83.9910, 0.3018,
0.4033

 21.4575, 0.2921,
0.4520


 109.1811, 0.3030,
0.3966

 13.4588, 0.2867,
0.4758


 138.9626, 0.3040,
0.3909

 7.7452, 0.2779,
0.5104

173.7200, 0.3048,
0.3862

 3.9324, 0.2623,
0.5648

213.8376, 0.3055,
0.3821

 1.6358, 0.2459,
0.7541

259.6999, 0.3060,

 0.3816, 0.0000,

0.3786

1.0000

311.6913, 0.3065,
0.3755

■ 0.0000, 0.0000,
0.0000

■ 45.8477, 0.2984,
0.4217

■ 45.8477, 0.2984,
0.4217

■ 44.1312, 0.2954,
0.4514

■ 47.9278, 0.3019,
0.3938

■ 42.7517, 0.2931,
0.4819

■ 50.3847, 0.3057,
0.3683

■ 41.6884, 0.2918,
0.5118


■ 53.2382, 0.3096,
0.3454


■ 40.9154, 0.2917,
0.5391


■ 56.5047, 0.3135,
0.3253

■ 40.4027, 0.2928,
0.5623


■ 60.1999, 0.3172,
0.3076

 40.1067, 0.2949,
0.5800

 64.3386, 0.3207,
0.2923

 40.0614, 0.2952,
0.5828

 67.9826, 0.3202,
0.2784

 68.4100, 0.3154,
0.2722

Harmonies

Analogous

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



45.8477, 0.3575, 0.4396



45.8477, 0.2984, 0.4217



45.8477, 0.2461, 0.3692

Triad

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



45.8477, 0.2984, 0.4217



45.8477, 0.2218, 0.2375



45.8477, 0.4228, 0.3346

Complementary

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



45.8477, 0.2984, 0.4217



29.2249, 0.3317, 0.2515

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.



45.8477, 0.3792, 0.2905



45.8477, 0.2984, 0.4217



45.8477, 0.2611, 0.2368

Square

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



45.8477, 0.2984, 0.4217



45.8477, 0.2053, 0.2608



45.8477, 0.3181, 0.2559



45.8477, 0.4325, 0.3811

Rectangle

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



45.8477, 0.2984, 0.4217



45.8477, 0.2217, 0.3273



45.8477, 0.3181, 0.2559



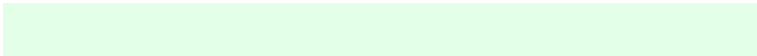
45.8477, 0.4115, 0.3193

Sweetspot

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



45.8496, 0.2984, 0.4217



93.6785, 0.3084, 0.3523



51.4355, 0.3572, 0.4265



19.8980, 0.3079, 0.3554



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.



45.8496, 0.2984, 0.4217



79.4189, 0.2957, 0.4474



47.0995, 0.2745, 0.3636



11.9196, 0.3091, 0.3483



26.3610, 0.2947, 0.5810



1.2582, 0.2843, 0.5434

Inverse Universe

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



29.2249, 0.3317, 0.2515



45.2446, 0.3372, 0.2347



27.8725, 0.3754, 0.2976



10.7815, 0.3165, 0.3104



9.4968, 0.3738, 0.1833



0.4587, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 45.8477, 0.2984, 0.4217 looks on a white background.

Color Contrast Check

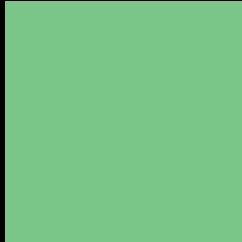
Large Text (above 18pt) WCAG AA × Fail

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 45.8477, 0.2984, 0.4217 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 45.8477, 0.2984, 0.4217

Background



This preview shows how black text looks on a background with the Yxy color 45.8477, 0.2984, 0.4217.



This preview shows how white text looks on a background with the Yxy color 45.8477, 0.2984, 0.4217.

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

45.8477, 0.2984, 0.4217

Protanopia

45.1362, 0.3683, 0.3957

Deuteranopia

45.1298, 0.3759, 0.3677



Tritanopia

45.5603, 0.2629, 0.3069

Trichromacy



Original Color

45.8477, 0.2984, 0.4217



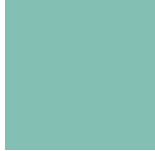
Protanomaly

44.9720, 0.3395, 0.4061



Deuteranomaly

44.3768, 0.3444, 0.3865



Tritanomaly

45.3416, 0.2759, 0.3462

Monochromacy



Original Color

45.8477, 0.2984, 0.4217



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.2198, 0.3069, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8477, 0.2984, 0.4217 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(122, 197, 136)` looks like.

```
.text, #text, p{  
    color:rgb(122, 197, 136)  
}
```

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(122, 197, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 197, 136) }
```

Border

The CSS property to change the border of an element to Yxy 45.8477, 0.2984, 0.4217 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(122, 197, 136) }
```

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

```
.border{ border-color:rgb(122, 197, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 197, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 197, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 197, 136); box-shadow:4px 4px 4px 4px rgb(122, 197, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8477, 0.2984, 0.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 197, 136) }
```

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

```
.background{ background-color: rgb(122,  
197, 136) }
```

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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