

Converting Colors

$Y_{xy}(45.1322, 0.2767, 0.3414)$

Have a look what the booklet for
Yxy(45.1322, 0.2767, 0.3414)
contains.

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Color

Yxy(45.2314, 0.2765, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	86BEB5
RGB	134, 190, 181
RGB Percent	53%, 75%, 71%
CMY	0.4743, 0.2549, 0.2902
CMYK	0.29, 0.00, 0.05, 0.25
HSL	170°, 30%, 64%
HSV	170°, 29%, 75%
XYZ	36.5901, 45.2314, 50.5115
YIQ	172.2300, -30.4870, -14.6710

Conversions

Conversions Part 2

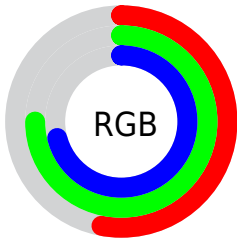
Format	Color
RYB	134, 164, 190
Decimal	8830645
CIELab	73.04, -20.08, -1.30
CIElCh	73, 20.123, 183.705
Yxy	45.2314, 0.2765, 0.3418
Android (android.graphics.Color)	4287020725 (0xFF86BEB5)
YUV	172.2300, 4.3236, -33.5277
Hunter-Lab	67.2543, -20.5811, 2.5481

Details

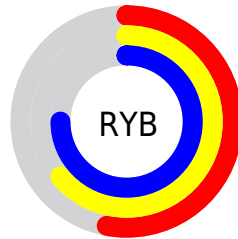
The Yxy color **45.2314, 0.2765, 0.3418** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.9954, 0.3667, 0.3168**, and the grayscale version is **41.3721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8448, 0.2831, 0.3388**, and **20.9607, 0.2663, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **43.6849, 0.2661, 0.3468**, and if you desaturate by 10%, it is **47.0649, 0.2880, 0.3371**.

Distribution



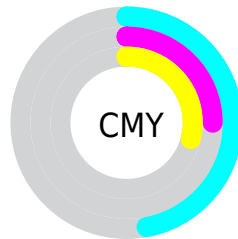
- Red (53%)
- Green (75%)
- Blue (71%)



- Red (53%)
- Yellow (64%)
- Blue (75%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)





- Cyan (47%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2314, 0.2765, 0.3418 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 45.2314, 0.2765, 0.3418 by changing the saturation by 10% instead.

 45.2314, 0.2765,
0.3418


 45.2314, 0.2765,
0.3418


367.7099, 0.2946,
0.3355


 31.6397, 0.2720,
0.3434

 83.0675, 0.2831,
0.3395

 21.0865, 0.2662,
0.3453


 108.0808, 0.2856,
0.3387

 13.1872, 0.2585,
0.3480


 137.6701, 0.2876,
0.3379

 7.5576, 0.2477,
0.3516

172.2197, 0.2894,
0.3373

 3.8132, 0.2317,
0.3568

212.1141, 0.2910,
0.3368

 1.5696, 0.2054,
0.3652

257.7377, 0.2923,

 0.3370, 0.0000,

0.3363

0.4240

309.4748, 0.2935,
0.3359

0.0000, 0.0000,
0.0000

45.2314, 0.2765,
0.3418

45.2314, 0.2765,
0.3418

43.6849, 0.2661,
0.3468

47.0649, 0.2880,
0.3371

42.4047, 0.2572,
0.3522

49.1937, 0.3004,
0.3328

41.3763, 0.2499,
0.3577

51.6327, 0.3134,
0.3288

40.5815, 0.2444,
0.3633

54.3940, 0.3268,
0.3252

39.9994, 0.2409,
0.3691

57.4893, 0.3402,
0.3220

■ 39.6057, 0.2392,
0.3748

■ 60.9296, 0.3536,
0.3192

■ 39.3552, 0.2391,
0.3804

■ 62.3683, 0.3568,
0.3163

■ 39.3425, 0.2391,
0.3808

■ 62.5150, 0.3543,
0.3132

■ 62.6646, 0.3518,
0.3100

Harmonies

Analogous

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



45.2314, 0.3010, 0.3660



45.2314, 0.2765, 0.3418



45.2314, 0.2618, 0.3149

Triad

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



45.2314, 0.2765, 0.3418



45.2314, 0.2942, 0.2840



45.2314, 0.3681, 0.3615

Complementary

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



45.2314, 0.2765, 0.3418



29.9954, 0.3667, 0.3168

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.



45.2314, 0.3664, 0.3392



45.2314, 0.2765, 0.3418



45.2314, 0.3227, 0.2958

Square

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



45.2314, 0.2765, 0.3418



45.2314, 0.2716, 0.2829



45.2314, 0.3495, 0.3156



45.2314, 0.3543, 0.3765

Rectangle

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



45.2314, 0.2765, 0.3418



45.2314, 0.2592, 0.2997



45.2314, 0.3495, 0.3156



45.2314, 0.3693, 0.3545

Sweetspot

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



45.2332, 0.2765, 0.3418



89.2750, 0.3008, 0.3326



44.4208, 0.3162, 0.4118



19.4709, 0.2990, 0.3332



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.



45.2332, 0.2765, 0.3418



80.1966, 0.2700, 0.3448



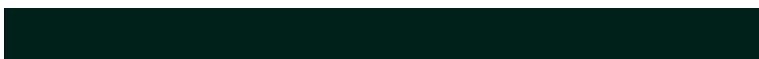
38.0471, 0.2678, 0.3018



10.7824, 0.3006, 0.3327



26.1716, 0.2389, 0.3800



1.0323, 0.2351, 0.3664

Inverse Universe

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



29.9954, 0.3667, 0.3168



48.3338, 0.3828, 0.3141



35.3531, 0.3700, 0.3546



9.5608, 0.3264, 0.3253



7.3514, 0.6147, 0.3160



0.2959, 0.5556, 0.2835

Previews

White Background



This preview shows how the Yxy color 45.2314, 0.2765, 0.3418 looks on a white background.

Color Contrast Check

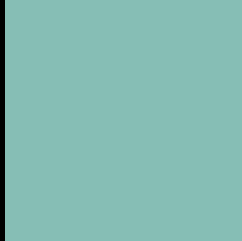
Large Text (above 18pt) WCAG AA × Fail

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 45.2314, 0.2765, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

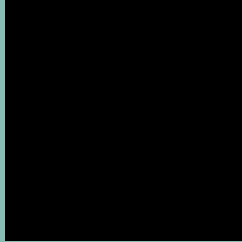
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

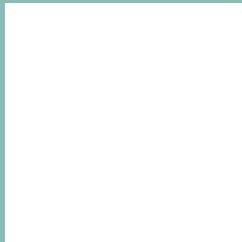
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2314, 0.2765, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 45.2314, 0.2765, 0.3418.



This preview shows how white text looks on a background with the Yxy color 45.2314, 0.2765, 0.3418.

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

45.2314, 0.2765, 0.3418

Protanopia

44.9641, 0.3204, 0.3343

Deuteranopia

44.6853, 0.3214, 0.3150



Tritanopia

45.2939, 0.2660, 0.3083

Trichromacy



Original Color

45.2314, 0.2765, 0.3418

Protanomaly

44.6296, 0.3023, 0.3358

Deuteranomaly

44.4298, 0.3036, 0.3236

Tritanomaly

45.1798, 0.2698, 0.3205

Monochromacy



Original Color

45.2314, 0.2765, 0.3418

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.6044, 0.2981, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2314, 0.2765, 0.3418 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(134, 190, 181)` looks like.

```
.text, #text, p{  
    color:rgb(134, 190, 181)  
}
```

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(134, 190, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 190, 181) }
```

Border

The CSS property to change the border of an element to Yxy 45.2314, 0.2765, 0.3418 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(134, 190, 181) }
```

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

```
.border{ border-color:rgb(134, 190, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 190, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 190, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 190, 181);  
box-shadow:4px 4px 4px 4px rgb(134, 190,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2314, 0.2765, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 190, 181) }
```

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

```
.background{ background-color: rgb(134,  
190, 181) }
```

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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