

Converting Colors

$Yxy(45.6087, 0.2831, 0.3518)$

Have a look what the booklet for
Yxy(45.6087, 0.2831, 0.3518)
contains.

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Color

Yxy(45.7600, 0.2833, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	8ABFAF
RGB	138, 191, 175
RGB Percent	54%, 75%, 69%
CMY	0.4589, 0.2510, 0.3136
CMYK	0.28, 0.00, 0.08, 0.25
HSL	162°, 29%, 65%
HSV	162°, 28%, 75%
XYZ	36.8499, 45.7600, 47.4640
YIQ	173.3290, -26.4520, -16.2120

Conversions

Conversions Part 2

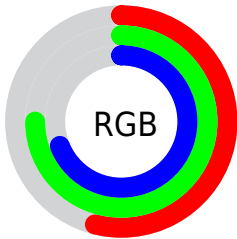
Format	Color
RYB	138, 169, 191
Decimal	9093039
CIELab	73.39, -20.71, 2.47
CIELCh	73, 20.859, 173.189
Yxy	45.7600, 0.2833, 0.3518
Android (android.graphics.Color)	4287283119 (0xFF8ABFAF)
YUV	173.3290, 0.8238, -30.9835
Hunter-Lab	67.6461, -21.1436, 5.7514

Details

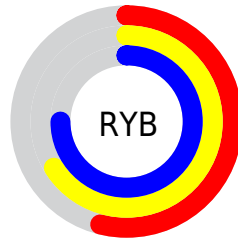
The Yxy color $45.7600, 0.2833, 0.3518$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $31.5804, 0.3544, 0.3075$, and the grayscale version is $41.9717, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.1854, 0.2893, 0.3487$, and $21.2998, 0.2743, 0.3571$ is the 20% darker color. If you saturate the color by 10%, you get $44.0523, 0.2741, 0.3614$, and if you desaturate by 10%, it is $47.7675, 0.2934, 0.3429$.

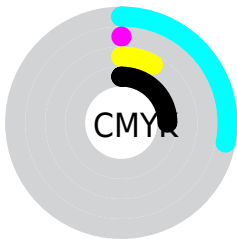
Distribution



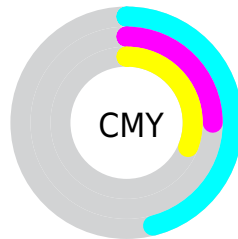
- Red (54%)
- Green (75%)
- Blue (69%)



- Red (54%)
- Yellow (66%)
- Blue (75%)



- Cyan (28%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)




- Cyan (46%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7600, 0.2833, 0.3518 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 45.7600, 0.2833, 0.3518 by changing the saturation by 10% instead.

 45.7600, 0.2833,
0.3518

 45.7600, 0.2833,
0.3518


369.8429, 0.2981,
0.3402

 32.0565, 0.2796,
0.3547


 83.8597, 0.2887,
0.3476

 21.4046, 0.2748,
0.3585


 109.0247, 0.2907,
0.3460

 13.4201, 0.2684,
0.3637


 138.7789, 0.2924,
0.3447

 7.7185, 0.2594,
0.3709

173.5068, 0.2939,
0.3435

 3.9153, 0.2458,
0.3820

213.5928, 0.2952,
0.3425

 1.6263, 0.2231,
0.4011

259.4212, 0.2963,

 0.3752, 0.0000,

0.3417

0.6143

311.3764, 0.2972,
0.3409

0.0000, 0.0000,
0.0000

45.7600, 0.2833,
0.3518

45.7600, 0.2833,
0.3518

44.0523, 0.2741,
0.3614

47.7675, 0.2934,
0.3429

42.6238, 0.2662,
0.3717

50.0833, 0.3041,
0.3348

41.4597, 0.2597,
0.3826

52.7224, 0.3152,
0.3274

40.5419, 0.2551,
0.3938

55.6971, 0.3265,
0.3209

39.8497, 0.2523,
0.4052

59.0191, 0.3377,
0.3150

■ 39.3589, 0.2515,
0.4166

■ 62.6995, 0.3488,
0.3099

■ 39.0337, 0.2526,
0.4279

■ 63.4458, 0.3461,
0.3042

■ 38.9701, 0.2529,
0.4304

■ 63.7474, 0.3415,
0.2985

■ 64.0595, 0.3369,
0.2928

Harmonies

Analogous

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



45.7600, 0.3109, 0.3736



45.7600, 0.2833, 0.3518



45.7600, 0.2641, 0.3238

Triad

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



45.7600, 0.2833, 0.3518



45.7600, 0.2844, 0.2809



45.7600, 0.3712, 0.3549

Complementary

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



45.7600, 0.2833, 0.3518



31.5804, 0.3544, 0.3075

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.



45.7600, 0.3637, 0.3308



45.7600, 0.2833, 0.3518



45.7600, 0.3124, 0.2894

Square

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



45.7600, 0.2833, 0.3518



45.7600, 0.2647, 0.2840



45.7600, 0.3417, 0.3073



45.7600, 0.3622, 0.3738

Rectangle

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



45.7600, 0.2833, 0.3518



45.7600, 0.2582, 0.3065



45.7600, 0.3417, 0.3073



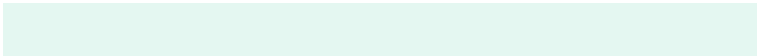
45.7600, 0.3705, 0.3471

Sweetspot

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



45.7619, 0.2833, 0.3518



89.5324, 0.3037, 0.3351



46.0442, 0.3226, 0.4049



19.5143, 0.3021, 0.3362



97.7402, 0.3127, 0.3290



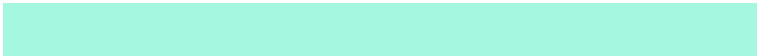
20.4902, 0.3127, 0.3290

Same Dimension

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



45.7619, 0.2833, 0.3518



80.1279, 0.2779, 0.3573



42.3269, 0.2714, 0.3151



10.7592, 0.3024, 0.3360



25.6240, 0.2525, 0.4289



1.0148, 0.2450, 0.4019

Inverse Universe

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



31.5804, 0.3544, 0.3075



50.7416, 0.3663, 0.3028



33.9982, 0.3688, 0.3424



9.5824, 0.3242, 0.3221



7.4896, 0.5729, 0.2930



0.3053, 0.5027, 0.2543

Previews

White Background



This preview shows how the Yxy color 45.7600, 0.2833, 0.3518 looks on a white background.

Color Contrast Check

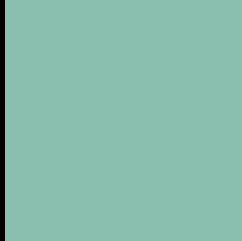
Large Text (above 18pt) WCAG AA × Fail

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 45.7600, 0.2833, 0.3518 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 45.7600, 0.2833, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 45.7600, 0.2833, 0.3518.



This preview shows how white text looks on a background with the Yxy color 45.7600, 0.2833, 0.3518.

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

45.7600, 0.2833, 0.3518

Protanopia

45.3816, 0.3270, 0.3435

Deuteranopia

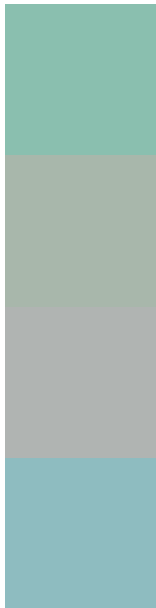
45.3971, 0.3291, 0.3227



Tritanopia

45.7342, 0.2693, 0.3085

Trichromacy



Original Color

45.7600, 0.2833, 0.3518

Protanomaly

45.1321, 0.3094, 0.3454

Deuteranomaly

45.0870, 0.3109, 0.3317

Tritanomaly

45.5230, 0.2745, 0.3233

Monochromacy



Original Color

45.7600, 0.2833, 0.3518

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.1721, 0.3005, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7600, 0.2833, 0.3518 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(138, 191, 175)` looks like.

```
.text, #text, p{  
    color:rgb(138, 191, 175)  
}
```

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(138, 191, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 191, 175) }
```

Border

The CSS property to change the border of an element to Yxy 45.7600, 0.2833, 0.3518 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(138, 191, 175) }
```

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

```
.border{ border-color:rgb(138, 191, 175) }
```

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

Here you see how a box with a 4 pixel rgb(138, 191, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 191, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 191, 175);  
box-shadow:4px 4px 4px 4px rgb(138, 191,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7600, 0.2833, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 191, 175) }
```

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

```
.background{ background-color: rgb(138,  
191, 175) }
```

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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