

Converting Colors

$Yxy(45.1586, 0.3285, 0.3596)$

Have a look what the booklet for
Yxy(45.1586, 0.3285, 0.3596)
contains.

Yxy(45.0159, 0.3279, 0.3588)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.0159, 0.3279, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	B2B59F
RGB	178, 181, 159
RGB Percent	70%, 71%, 62%
CMY	0.3020, 0.2902, 0.3766
CMYK	0.02, 0.00, 0.12, 0.29
HSL	68°, 13%, 67%
HSV	68°, 12%, 71%
XYZ	41.1391, 45.0159, 39.3074
YIQ	177.5950, 5.2740, -7.4780

Conversions

Conversions Part 2

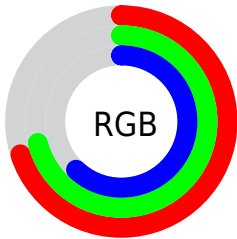
Format	Color
RYB	159, 181, 162
Decimal	11711903
CIELab	72.90, -4.98, 10.87
CIELCh	73, 11.959, 114.619
Yxy	45.0159, 0.3279, 0.3588
Android (android.graphics.Color)	4289901983 (0xFFB2B59F)
YUV	177.5950, -9.1673, 0.3552
Hunter-Lab	67.0939, -7.9657, 12.2303

Details

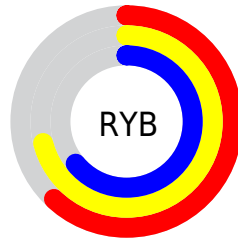
The Yxy color $45.0159, 0.3279, 0.3588$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $35.8020, 0.2965, 0.2979$, and the grayscale version is $44.3426, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.9158, 0.3251, 0.3530$, and $20.8810, 0.3314, 0.3664$ is the 20% darker color. If you saturate the color by 10%, you get $44.1449, 0.3406, 0.3843$, and if you desaturate by 10%, it is $45.9881, 0.3154, 0.3342$.

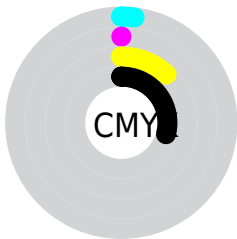
Distribution



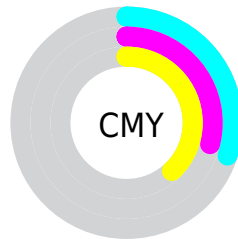
- Red (70%)
- Green (71%)
- Blue (62%)



- Red (62%)
- Yellow (71%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)





- Cyan (30%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0159, 0.3279, 0.3588 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 45.0159, 0.3279, 0.3588 by changing the saturation by 10% instead.


 45.0159, 0.3279,
0.3588

 45.0159, 0.3279,
0.3588

366.8380, 0.3203,
0.3437

 31.4699, 0.3298,
0.3627


 82.7443, 0.3252,
0.3532

 20.9570, 0.3322,
0.3677


 107.6955, 0.3241,
0.3512

 13.0925, 0.3353,
0.3744


137.2172, 0.3233,
0.3494

 7.4923, 0.3397,
0.3840

171.6939, 0.3225,
0.3479

 3.7718, 0.3461,
0.3986

211.5099, 0.3219,
0.3466

 1.5468, 0.3571,
0.4246

257.0497, 0.3213,

 0.3213, 0.3639,

0.3455

0.6361

308.6976, 0.3208,
0.3445

0.0000, 0.0000,
0.0000

45.0159, 0.3279,
0.3588

45.0159, 0.3279,
0.3588

44.1449, 0.3406,
0.3843

45.9881, 0.3154,
0.3342

43.3653, 0.3530,
0.4100

47.0594, 0.3033,
0.3109

42.6746, 0.3647,
0.4352

48.2353, 0.2919,
0.2892

42.0683, 0.3751,
0.4588

49.5192, 0.2811,
0.2692

41.5412, 0.3838,
0.4798

50.9144, 0.2712,
0.2510

■ 41.0876, 0.3903,
0.4973

■ 51.5872, 0.2696,
0.2460

■ 40.7009, 0.3942,
0.5106

■ 51.9147, 0.2713,
0.2464

■ 40.3736, 0.3956,
0.5195

■ 52.2476, 0.2731,
0.2468

■ 40.1463, 0.3955,
0.5242

■ 52.5860, 0.2748,
0.2472

Harmonies

Analogous

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



45.0159, 0.3408, 0.3555



45.0159, 0.3279, 0.3588



45.0159, 0.3111, 0.3537

Triad

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



45.0159, 0.3279, 0.3588



45.0159, 0.2803, 0.3115



45.0159, 0.3302, 0.3170

Complementary

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



45.0159, 0.3279, 0.3588



35.8020, 0.2965, 0.2979

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.



45.0159, 0.3136, 0.3060



45.0159, 0.3279, 0.3588



45.0159, 0.2851, 0.3026

Square

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



45.0159, 0.3279, 0.3588



45.0159, 0.2840, 0.3257



45.0159, 0.2971, 0.3007



45.0159, 0.3423, 0.3312

Rectangle

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



45.0159, 0.3279, 0.3588



45.0159, 0.3001, 0.3460



45.0159, 0.2971, 0.3007



45.0159, 0.3250, 0.3128

Sweetspot

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



45.0179, 0.3279, 0.3588



82.0131, 0.3177, 0.3388



38.1354, 0.3338, 0.3331



17.6972, 0.3187, 0.3406



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



45.0179, 0.3279, 0.3588



80.1189, 0.3318, 0.3666



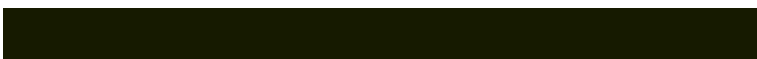
43.7743, 0.3182, 0.3597



9.8466, 0.3243, 0.3516



27.6955, 0.3958, 0.5239



0.8876, 0.4028, 0.5184

Inverse Universe

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



35.8020, 0.2965, 0.2979



59.8791, 0.2919, 0.2893



36.9986, 0.3065, 0.2988



8.2840, 0.3005, 0.3056



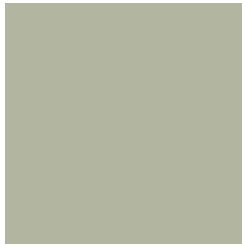
2.4583, 0.1561, 0.0633



0.0949, 0.1762, 0.0744

Previews

White Background



This preview shows how the Yxy color 45.0159, 0.3279, 0.3588 looks on a white background.

Color Contrast Check

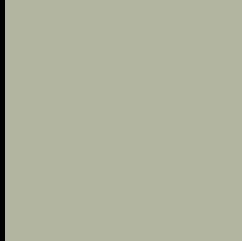
Large Text (above 18pt) WCAG AA × Fail

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 45.0159, 0.3279, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

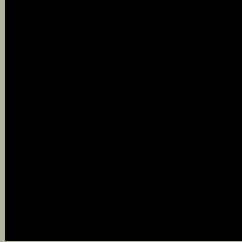
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

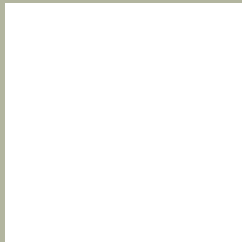
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0159, 0.3279, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 45.0159, 0.3279, 0.3588.



This preview shows how white text looks on a background with the Yxy color 45.0159, 0.3279, 0.3588.

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

45.0159, 0.3279, 0.3588

Protanopia

44.8742, 0.3374, 0.3555

Deuteranopia

44.7748, 0.3510, 0.3430



Tritanopia

44.8357, 0.3075, 0.3109

Trichromacy



Original Color

45.0159, 0.3279, 0.3588

Protanomaly

44.8992, 0.3344, 0.3570

Deuteranomaly

44.6673, 0.3427, 0.3485

Tritanomaly

44.9192, 0.3145, 0.3277

Monochromacy



Original Color

45.0159, 0.3279, 0.3588

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.6455, 0.3183, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0159, 0.3279, 0.3588 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(178, 181, 159)` looks like.

```
.text, #text, p{  
    color:rgb(178, 181, 159)  
}
```

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(178, 181, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 181, 159) }
```

Border

The CSS property to change the border of an element to Yxy 45.0159, 0.3279, 0.3588 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(178, 181, 159) }
```

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

```
.border{ border-color:rgb(178, 181, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 181, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 181, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 181, 159);  
box-shadow:4px 4px 4px 4px rgb(178, 181,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0159, 0.3279, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 181, 159) }
```

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

```
.background{ background-color: rgb(178,  
181, 159) }
```

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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