

Converting Colors

$Yxy(56.2643, 0.2928, 0.3223)$

Have a look what the booklet for
Yxy(56.2643, 0.2928, 0.3223)
contains.

Yxy(56.4494, 0.2928, 0.3228)	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(56.4494, 0.2928, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	B4CACF
RGB	180, 202, 207
RGB Percent	71%, 79%, 81%
CMY	0.2941, 0.2078, 0.1883
CMYK	0.13, 0.02, 0.00, 0.19
HSL	191°, 22%, 76%
HSV	191°, 13%, 81%
XYZ	51.2032, 56.4494, 67.2217
YIQ	195.9920, -14.7170, -3.1090

Conversions

Conversions Part 2

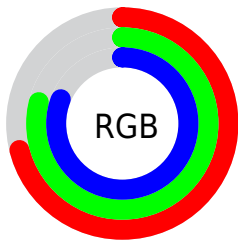
Format	Color
RYB	180, 192, 207
Decimal	11848399
CIELab	79.87, -6.39, -5.01
CIELCh	80, 8.118, 218.093
Yxy	56.4494, 0.2928, 0.3228
Android (android.graphics.Color)	4290038479 (0xFFB4CACF)
YUV	195.9920, 5.4269, -14.0250
Hunter-Lab	75.1328, -9.8343, -0.4540

Details

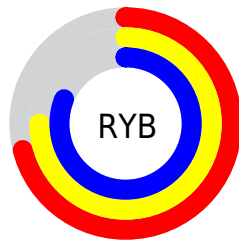
The Yxy color **56.4494, 0.2928, 0.3228** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.2479, 0.3355, 0.3351**, and the grayscale version is **55.1707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **27.9917, 0.2874, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **52.3792, 0.2780, 0.3175**, and if you desaturate by 10%, it is **60.9396, 0.3080, 0.3276**.

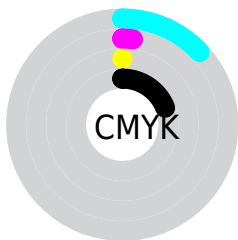
Distribution



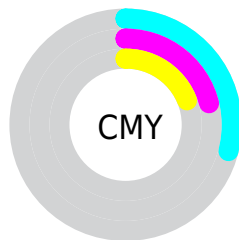
- Red (71%)
- Green (79%)
- Blue (81%)



- Red (71%)
- Yellow (75%)
- Blue (81%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)



- Cyan (29%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4494, 0.2928, 0.3228 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 56.4494, 0.2928, 0.3228 by changing the saturation by 10% instead.

■ 56.4494, 0.2928,
0.3228

■ 56.4494, 0.2928,
0.3228

411.3829, 0.3024,
0.3259

■ 40.5633, 0.2905,
0.3220

■ 99.6613, 0.2962,
0.3239

■ 27.9781, 0.2876,
0.3211

127.7560, 0.2975,
0.3243

■ 18.3091, 0.2839,
0.3198

160.6890, 0.2986,
0.3247

■ 11.1721, 0.2788,
0.3180

198.8448, 0.2996,
0.3250

■ 6.1827, 0.2717,
0.3154

242.6076, 0.3004,
0.3253

■ 2.9565, 0.2607,
0.3113

292.3620, 0.3012,

■ 1.1091, 0.2417,

0.3255

0.3035

348.4923, 0.3018,
0.3257

0.0000, 0.0000,
0.0000

56.4494, 0.2928,
0.3228

56.4494, 0.2928,
0.3228

52.3792, 0.2780,
0.3175

60.9396, 0.3080,
0.3276

48.7054, 0.2639,
0.3119

65.8586, 0.3234,
0.3320

45.4123, 0.2509,
0.3058

71.2234, 0.3387,
0.3359

42.4805, 0.2392,
0.2995

75.5403, 0.3479,
0.3396

39.8886, 0.2291,
0.2929

77.5365, 0.3472,
0.3434

■ 37.6127, 0.2209,
0.2863

■ 79.5785, 0.3465,
0.3472

■ 35.6254, 0.2145,
0.2796

■ 81.6668, 0.3458,
0.3510

■ 33.8936, 0.2101,
0.2729

■ 83.8016, 0.3451,
0.3548

■ 32.7994, 0.2079,
0.2684

■ 85.9833, 0.3444,
0.3585

Harmonies

Analogous

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



56.4494, 0.2979, 0.3325



56.4494, 0.2928, 0.3228



56.4494, 0.2929, 0.3150

Triad

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



56.4494, 0.2928, 0.3228



56.4494, 0.3182, 0.3171



56.4494, 0.3273, 0.3472

Complementary

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



56.4494, 0.2928, 0.3228



51.2479, 0.3355, 0.3351

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.



56.4494, 0.3329, 0.3427



56.4494, 0.2928, 0.3228



56.4494, 0.3277, 0.3254

Square

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



56.4494, 0.2928, 0.3228



56.4494, 0.3074, 0.3120



56.4494, 0.3331, 0.3347



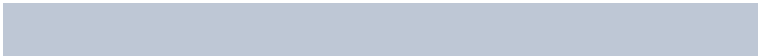
56.4494, 0.3178, 0.3468

Rectangle

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



56.4494, 0.2928, 0.3228



56.4494, 0.2959, 0.3119



56.4494, 0.3331, 0.3347



56.4494, 0.3297, 0.3462

Sweetspot

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



56.4518, 0.2928, 0.3228



96.9211, 0.3065, 0.3272



57.8242, 0.3077, 0.3567



20.6239, 0.3053, 0.3268



0.0000, 0.0000, 0.0000



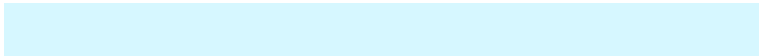
21.4041, 0.3127, 0.3290

Same Dimension

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



56.4518, 0.2928, 0.3228



88.3548, 0.2881, 0.3212



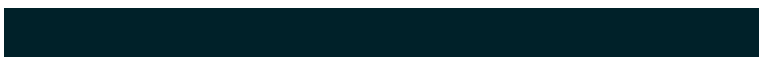
50.4064, 0.2924, 0.3059



13.0205, 0.2983, 0.3246



20.7961, 0.2081, 0.2693



1.2614, 0.2115, 0.2814

Inverse Universe

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



50.1691, 0.3182, 0.3028



76.1988, 0.3197, 0.2963



57.1496, 0.3334, 0.3511



11.9701, 0.3166, 0.3102



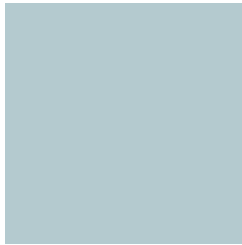
10.1706, 0.3735, 0.1831



0.5786, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 56.4494, 0.2928, 0.3228 looks on a white background.

Color Contrast Check

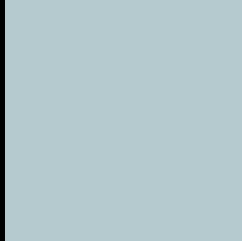
Large Text (above 18pt) WCAG AA × Fail

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 56.4494, 0.2928, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

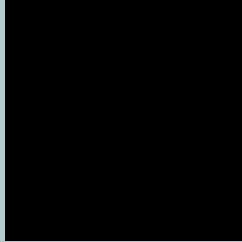
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

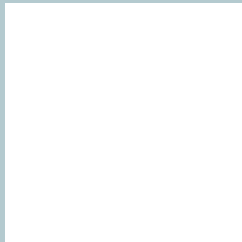
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4494, 0.2928, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 56.4494, 0.2928, 0.3228.



This preview shows how white text looks on a background with the Yxy color 56.4494, 0.2928, 0.3228.

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

56.4494, 0.2928, 0.3228

Protanopia

56.4343, 0.3092, 0.3206

Deuteranopia

56.2998, 0.3160, 0.3094



Tritanopia

56.6762, 0.2883, 0.3108

Trichromacy



Original Color

56.4494, 0.2928, 0.3228

Protanomaly

56.4611, 0.3030, 0.3217

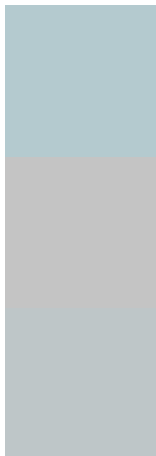
Deuteranomaly

56.3133, 0.3071, 0.3148

Tritanomaly

56.4011, 0.2895, 0.3143

Monochromacy



Original Color

56.4494, 0.2928, 0.3228

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.5054, 0.3051, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4494, 0.2928, 0.3228 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(180, 202, 207)` looks like.

```
.text, #text, p{  
    color:rgb(180, 202, 207)  
}
```

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(180, 202, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 202, 207) }
```

Border

The CSS property to change the border of an element to Yxy 56.4494, 0.2928, 0.3228 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(180, 202, 207) }
```

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

```
.border{ border-color:rgb(180, 202, 207) }
```

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

Here you see how a box with a 4 pixel rgb(180, 202, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 202, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 202, 207);  
box-shadow:4px 4px 4px 4px rgb(180, 202,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4494, 0.2928, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 202, 207) }
```

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

```
.background{ background-color: rgb(180,  
202, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor