

Converting Colors

$Yxy(58.7816, 0.2787, 0.3490)$

Have a look what the booklet for
Yxy(58.7816, 0.2787, 0.3490)
contains.

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Color

Yxy(58.7007, 0.2785, 0.3483)

Conversions

Conversions Part 1

Format	Color
Hex	96D6C7
RGB	150, 214, 199
RGB Percent	59%, 84%, 78%
CMY	0.4117, 0.1608, 0.2196
CMYK	0.30, 0.00, 0.07, 0.16
HSL	166°, 44%, 71%
HSV	166°, 30%, 84%
XYZ	46.9370, 58.7007, 62.8972
YIQ	193.1540, -33.3290, -18.2330

Conversions

Conversions Part 2

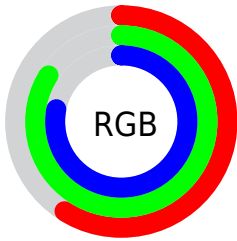
Format	Color
RYB	150, 186, 214
Decimal	9885383
CIELab	81.13, -23.44, 0.89
CIElCh	81, 23.456, 177.816
Yxy	58.7007, 0.2785, 0.3483
Android (android.graphics.Color)	4288075463 (0xFF96D6C7)
YUV	193.1540, 2.8821, -37.8461
Hunter-Lab	76.6164, -24.7254, 4.9581

Details

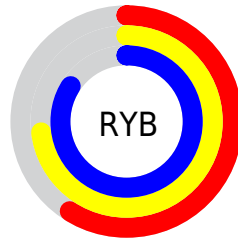
The Yxy color **58.7007, 0.2785, 0.3483** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.8327, 0.3636, 0.3107**, and the grayscale version is **53.4253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **29.3820, 0.2700, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **56.6255, 0.2689, 0.3559**, and if you desaturate by 10%, it is **61.1591, 0.2892, 0.3413**.

Distribution



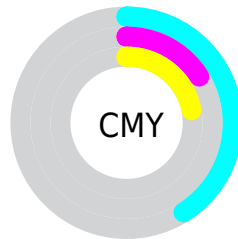
- Red (59%)
- Green (84%)
- Blue (78%)



- Red (59%)
- Yellow (73%)
- Blue (84%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)



- Cyan (41%)
- Magenta (16%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7007, 0.2785, 0.3483 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 58.7007, 0.2785, 0.3483 by changing the saturation by 10% instead.


 58.7007, 0.2785,
0.3483

 58.7007, 0.2785,
0.3483


419.7919, 0.2949,
0.3390

 42.3722, 0.2746,
0.3505


 102.9425, 0.2843,
0.3450

 29.3929, 0.2697,
0.3533

 131.6247, 0.2866,
0.3437

 19.3782, 0.2633,
0.3570


165.1935, 0.2885,
0.3427

 11.9439, 0.2548,
0.3619

204.0335, 0.2901,
0.3417

 6.7055, 0.2427,
0.3688

248.5289, 0.2915,
0.3409

 3.2786, 0.2243,
0.3795

299.0641, 0.2928,

 1.2789, 0.1876,

0.3402

0.4007

356.0237, 0.2939,
0.3396

0.1247, 0.0000,
0.6297

0.0000, 0.0000,
0.0000

58.7007, 0.2785,
0.3483

58.7007, 0.2785,
0.3483

56.6255, 0.2689,
0.3559

61.1591, 0.2892,
0.3413

54.9060, 0.2606,
0.3639


64.0122, 0.3008,
0.3348

53.5225, 0.2540,
0.3723


67.2800, 0.3128,
0.3289

52.4502, 0.2492,
0.3809


70.9788, 0.3252,
0.3237


 51.6610, 0.2464,
0.3896


 74.7387, 0.3361,
0.3189

 51.1214, 0.2456,
0.3983

 75.0148, 0.3325,
0.3139

 50.7719, 0.2464,
0.4069

 75.2991, 0.3289,
0.3090

 50.7686, 0.2464,
0.4070

 75.5914, 0.3254,
0.3041

 75.8920, 0.3220,
0.2993

Harmonies

Analogous

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



58.7007, 0.3060, 0.3725



58.7007, 0.2785, 0.3483



58.7007, 0.2605, 0.3192

Triad

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



58.7007, 0.2785, 0.3483



58.7007, 0.2875, 0.2799



58.7007, 0.3729, 0.3592

Complementary

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



58.7007, 0.2785, 0.3483



38.8327, 0.3636, 0.3107

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.



58.7007, 0.3678, 0.3347



58.7007, 0.2785, 0.3483



58.7007, 0.3172, 0.2904

Square

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



58.7007, 0.2785, 0.3483



58.7007, 0.2655, 0.2811



58.7007, 0.3470, 0.3100



58.7007, 0.3611, 0.3775

Rectangle

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



58.7007, 0.2785, 0.3483



58.7007, 0.2558, 0.3020



58.7007, 0.3470, 0.3100



58.7007, 0.3731, 0.3514

Sweetspot

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



58.7031, 0.2785, 0.3483



95.5628, 0.3017, 0.3343



58.4043, 0.3202, 0.4129



20.3112, 0.3000, 0.3352



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.



58.7031, 0.2785, 0.3483



85.2394, 0.2721, 0.3531



51.7316, 0.2675, 0.3081



14.0558, 0.3013, 0.3345



30.7034, 0.2460, 0.4057



1.8642, 0.2419, 0.3908

Inverse Universe

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



38.8327, 0.3636, 0.3107



51.0157, 0.3793, 0.3066



43.7772, 0.3735, 0.3488



12.4680, 0.3255, 0.3236



8.7944, 0.5965, 0.3060



0.5434, 0.5469, 0.2786

Previews

White Background



This preview shows how the Yxy color 58.7007, 0.2785, 0.3483 looks on a white background.

Color Contrast Check

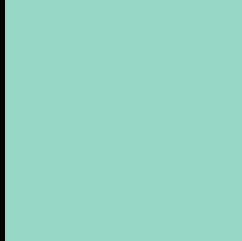
Large Text (above 18pt) WCAG AA × Fail

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 58.7007, 0.2785, 0.3483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

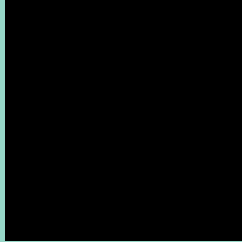
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

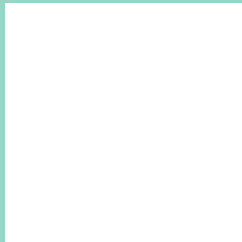
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.7007, 0.2785, 0.3483

Background



This preview shows how black text looks on a background with the Yxy color 58.7007, 0.2785, 0.3483.



This preview shows how white text looks on a background with the Yxy color 58.7007, 0.2785, 0.3483.

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

58.7007, 0.2785, 0.3483

Protanopia

58.3355, 0.3249, 0.3397

Deuteranopia

57.9554, 0.3261, 0.3188



Tritanopia

58.7072, 0.2655, 0.3079

Trichromacy



Original Color

58.7007, 0.2785, 0.3483

Protanomaly

57.9968, 0.3060, 0.3425

Deuteranomaly

57.5069, 0.3066, 0.3278

Tritanomaly

58.4683, 0.2701, 0.3213

Monochromacy



Original Color

58.7007, 0.2785, 0.3483

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

55.0605, 0.2987, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7007, 0.2785, 0.3483 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(150, 214, 199)` looks like.

```
.text, #text, p{  
    color:rgb(150, 214, 199)  
}
```

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(150, 214, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 214, 199) }
```

Border

The CSS property to change the border of an element to Yxy 58.7007, 0.2785, 0.3483 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(150, 214, 199) }
```

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

```
.border{ border-color:rgb(150, 214, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 214, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 214, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 214, 199);  
box-shadow:4px 4px 4px 4px rgb(150, 214,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7007, 0.2785, 0.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 214, 199) }
```

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

```
.background{ background-color: rgb(150,  
214, 199) }
```

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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