

Converting Colors

$Yxy(62.1061, 0.2683, 0.3648)$

Have a look what the booklet for
Yxy(62.1061, 0.2683, 0.3648)
contains.

Yxy(61.9317, 0.2685, 0.3644)	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(61.9317, 0.2685, 0.3644)

Conversions

Conversions Part 1

Format	Color
Hex	80E0C5
RGB	128, 224, 197
RGB Percent	50%, 88%, 77%
CMY	0.4982, 0.1215, 0.2273
CMYK	0.43, 0.00, 0.12, 0.12
HSL	163°, 61%, 69%
HSV	163°, 43%, 88%
XYZ	45.6330, 61.9317, 62.3906
YIQ	192.2180, -48.5490, -28.7490

Conversions

Conversions Part 2

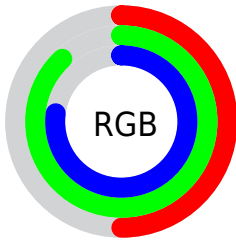
Format	Color
RYB	128, 184, 224
Decimal	8446149
CIELab	82.88, -34.68, 4.36
CIELCh	83, 34.951, 172.834
Yxy	61.9317, 0.2685, 0.3644
Android (android.graphics.Color)	4286636229 (0xFF80E0C5)
YUV	192.2180, 2.3575, -56.3192
Hunter-Lab	78.6967, -34.2144, 8.0827

Details

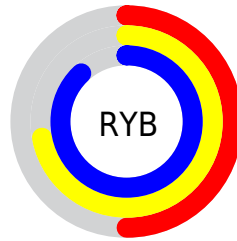
The Yxy color **61.9317, 0.2685, 0.3644** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.6389, 0.3921, 0.2973**, and the grayscale version is **52.8495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9900, 0.2731, 0.3300**, and **31.3280, 0.2573, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **60.1029, 0.2611, 0.3743**, and if you desaturate by 10%, it is **64.1608, 0.2773, 0.3550**.

Distribution



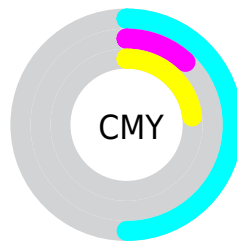
- Red (50%)
- Green (88%)
- Blue (77%)



- Red (50%)
- Yellow (72%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)





- Cyan (50%)
- Magenta (12%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.9317, 0.2685, 0.3644 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 61.9317, 0.2685, 0.3644 by changing the saturation by 10% instead.

 61.9317, 0.2685,
0.3644


 61.9317, 0.2685,
0.3644


431.6819, 0.2896,
0.3472

 44.9775, 0.2635,
0.3685


 107.6268, 0.2760,
0.3583

 31.4397, 0.2572,
0.3737


 137.1365, 0.2788,
0.3560

 20.9339, 0.2492,
0.3805


 171.6002, 0.2813,
0.3540

 13.0757, 0.2384,
0.3897

211.4023, 0.2834,
0.3523

 7.4807, 0.2232,
0.4028

256.9270, 0.2853,
0.3508

 3.7645, 0.2005,
0.4230

308.5590, 0.2869,

 1.5427, 0.1528,

0.3494

0.4637

366.6825, 0.2883,
0.3483

0.3185, 0.0000,
0.8835

0.0000, 0.0000,
0.0000

61.9317, 0.2685,
0.3644

61.9317, 0.2685,
0.3644

60.1029, 0.2611,
0.3743

64.1608, 0.2773,
0.3550

58.6414, 0.2554,
0.3847


66.8062, 0.2873,
0.3463


57.5209, 0.2516,
0.3953

69.8918, 0.2981,
0.3383


56.7082, 0.2499,
0.4060


73.4375, 0.3094,
0.3310


 56.1633, 0.2501,
0.4166


 77.4623, 0.3210,
0.3244

 55.8926, 0.2511,
0.4241

 80.5613, 0.3275,
0.3184

 80.9310, 0.3233,
0.3122

 81.3136, 0.3191,
0.3062

 81.7094, 0.3150,
0.3002

Harmonies

Analogous

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



61.9317, 0.3094, 0.3987



61.9317, 0.2685, 0.3644



61.9317, 0.2406, 0.3204

Triad

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



61.9317, 0.2685, 0.3644



61.9317, 0.2695, 0.2581



61.9317, 0.4016, 0.3654

Complementary

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



61.9317, 0.2685, 0.3644



33.6389, 0.3921, 0.2973

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.



61.9317, 0.3901, 0.3298



61.9317, 0.2685, 0.3644



61.9317, 0.3110, 0.2706

Square

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



61.9317, 0.2685, 0.3644



61.9317, 0.2413, 0.2618



61.9317, 0.3560, 0.2962



61.9317, 0.3873, 0.3952

Rectangle

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



61.9317, 0.2685, 0.3644



61.9317, 0.2321, 0.2941



61.9317, 0.3560, 0.2962



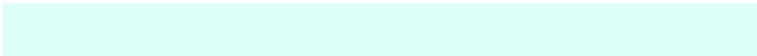
61.9317, 0.4007, 0.3538

Sweetspot

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



61.9342, 0.2685, 0.3644



93.6607, 0.2978, 0.3384



61.8585, 0.3243, 0.4549



19.8397, 0.2954, 0.3401



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.



61.9342, 0.2685, 0.3644



80.9632, 0.2621, 0.3728



52.7726, 0.2501, 0.3017



15.5033, 0.3019, 0.3357



32.5513, 0.2507, 0.4225



2.2713, 0.2462, 0.4062

Inverse Universe

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



33.6389, 0.3921, 0.2973



38.5045, 0.4169, 0.2917



38.8266, 0.4134, 0.3540



13.7635, 0.3248, 0.3224



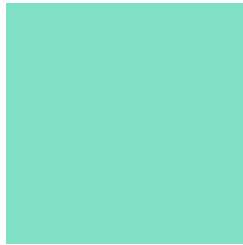
9.4495, 0.5821, 0.2980



0.6700, 0.5378, 0.2737

Previews

White Background



This preview shows how the Yxy color 61.9317, 0.2685, 0.3644 looks on a white background.

Color Contrast Check

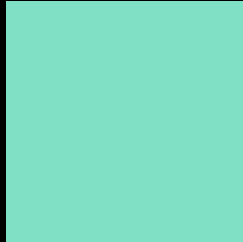
Large Text (above 18pt) WCAG AA × Fail

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 61.9317, 0.2685, 0.3644 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

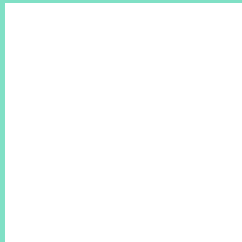
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.9317, 0.2685, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 61.9317, 0.2685, 0.3644.



This preview shows how white text looks on a background with the Yxy color 61.9317, 0.2685, 0.3644.

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

61.9317, 0.2685, 0.3644

Protanopia

61.3966, 0.3320, 0.3500

Deuteranopia

61.2799, 0.3319, 0.3257



Tritanopia

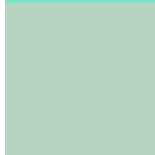
61.6022, 0.2524, 0.3067

Trichromacy



Original Color

61.9317, 0.2685, 0.3644



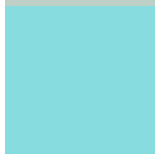
Protanomaly

60.7936, 0.3049, 0.3549



Deuteranomaly

60.2290, 0.3048, 0.3386



Tritanomaly

61.5287, 0.2578, 0.3263

Monochromacy



Original Color

61.9317, 0.2685, 0.3644



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.5158, 0.2936, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9317, 0.2685, 0.3644 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(128, 224, 197)` looks like.

```
.text, #text, p{  
    color:rgb(128, 224, 197)  
}
```

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(128, 224, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 224, 197) }
```

Border

The CSS property to change the border of an element to Yxy 61.9317, 0.2685, 0.3644 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(128, 224, 197) }
```

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

```
.border{ border-color:rgb(128, 224, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 224, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 224, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 224, 197); box-shadow:4px 4px 4px 4px rgb(128, 224, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9317, 0.2685, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 224, 197) }
```

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

```
.background{ background-color: rgb(128,  
224, 197) }
```

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