

Converting Colors

$Y_{xy}(59.9805, 0.2599, 0.3559)$

Have a look what the booklet for
Yxy(59.9805, 0.2599, 0.3559)
contains.

| | |
|--|----|
| Yxy(60.1726, 0.2602, 0.3569) | 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(60.1726, 0.2602, 0.3569)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 74DEC9 |
| RGB | 116, 222, 201 |
| RGB Percent | 45%, 87%, 79% |
| CMY | 0.5449, 0.1294, 0.2118 |
| CMYK | 0.48, 0.00, 0.09, 0.13 |
| HSL | 168°, 62%, 66% |
| HSV | 168°, 48%, 87% |
| XYZ | 43.8692, 60.1726, 64.5561 |
| YIQ | 187.9120, -56.4350, -29.0030 |

Conversions

Conversions Part 2

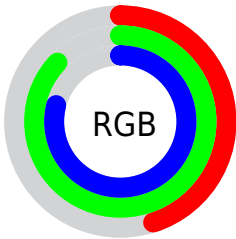
| Format | Color |
|-------------------------------------|--|
| RYB | 116, 175, 222 |
| Decimal | 7659209 |
| CIELab | 81.93, -35.71, 0.83 |
| CIElCh | 82, 35.724, 178.668 |
| Yxy | 60.1726, 0.2602, 0.3569 |
| Android (android.graphics.Color) | 4285849289 (0xFF74DEC9) |
| YUV | 187.9120, 6.4524, -63.0668 |
| Hunter-Lab | 77.5710, -34.8011, 4.9574 |

Details

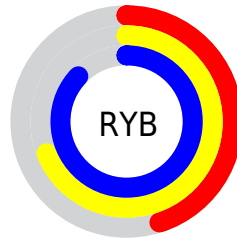
The Yxy color **60.1726, 0.2602, 0.3569** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.8369, 0.4172, 0.3044**, and the grayscale version is **50.2296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **30.1912, 0.2467, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **58.6263, 0.2529, 0.3639**, and if you desaturate by 10%, it is **62.0931, 0.2691, 0.3503**.

Distribution



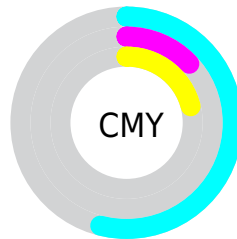
- Red (45%)
- Green (87%)
- Blue (79%)



- Red (45%)
- Yellow (69%)
- Blue (87%)



- Cyan (48%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)





- Cyan (54%)
- Magenta (13%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1726, 0.2602, 0.3569 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 60.1726, 0.2602, 0.3569 by changing the saturation by 10% instead.


 60.1726, 0.2602,
0.3569


 60.1726, 0.2602,
0.3569


425.2337, 0.2852,
0.3436


 43.5578, 0.2543,
0.3601


 105.0800, 0.2690,
0.3522

 30.3230, 0.2469,
0.3640


 134.1414, 0.2724,
0.3504

 20.0839, 0.2375,
0.3691


 168.1204, 0.2753,
0.3488

 12.4560, 0.2249,
0.3759

207.4014, 0.2778,
0.3475

 7.0551, 0.2073,
0.3855

252.3688, 0.2800,
0.3463

 3.4966, 0.1814,
0.3997

303.4071, 0.2820,

 1.3961, 0.1190,

0.3453

0.4332

360.9006, 0.2837,
0.3444

■ 0.2139, 0.0000,
0.5502

■ 0.0000, 0.0000,
0.0000

■ 60.1726, 0.2602,
0.3569

■ 60.1726, 0.2602,
0.3569

■ 58.6263, 0.2529,
0.3639

■ 62.0931, 0.2691,
0.3503

■ 57.4207, 0.2475,
0.3710


■ 64.4044, 0.2794,
0.3440

■ 56.5283, 0.2440,
0.3783


■ 67.1307, 0.2908,
0.3382

■ 55.9140, 0.2425,
0.3855

■ 70.2921, 0.3029,
0.3328

 55.5293, 0.2427,
0.3927


 73.9074, 0.3156,
0.3279

 55.4565, 0.2429,
0.3943

 77.9944, 0.3286,
0.3236

 79.3174, 0.3297,
0.3193

 79.5704, 0.3267,
0.3150

 79.8296, 0.3237,
0.3107

Harmonies

Analogous

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



60.1726, 0.3004, 0.3958



60.1726, 0.2602, 0.3569



60.1726, 0.2350, 0.3116

Triad

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



60.1726, 0.2602, 0.3569



60.1726, 0.2756, 0.2574



60.1726, 0.4035, 0.3731

Complementary

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



60.1726, 0.2602, 0.3569



29.8369, 0.4172, 0.3044

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.



60.1726, 0.3970, 0.3369



60.1726, 0.2602, 0.3569



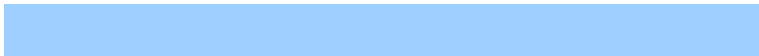
60.1726, 0.3201, 0.2731

Square

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



60.1726, 0.2602, 0.3569



60.1726, 0.2435, 0.2577



60.1726, 0.3655, 0.3014



60.1726, 0.3840, 0.4016

Rectangle

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



60.1726, 0.2602, 0.3569



60.1726, 0.2289, 0.2862



60.1726, 0.3655, 0.3014



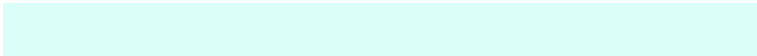
60.1726, 0.4044, 0.3614

Sweetspot

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



60.1750, 0.2602, 0.3569



93.3992, 0.2951, 0.3362



58.8423, 0.3189, 0.4735



19.7968, 0.2925, 0.3373



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.



60.1750, 0.2602, 0.3569



80.3138, 0.2531, 0.3636



45.9083, 0.2418, 0.2857



15.5233, 0.3008, 0.3337



32.9562, 0.2426, 0.3933



2.2964, 0.2395, 0.3822

Inverse Universe

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



29.8369, 0.4172, 0.3044



34.1849, 0.4521, 0.3007



37.9172, 0.4244, 0.3671



13.7447, 0.3261, 0.3244



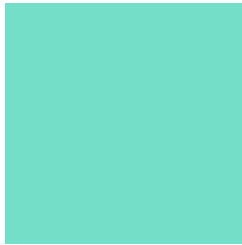
9.3449, 0.6072, 0.3119



0.6604, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 60.1726, 0.2602, 0.3569 looks on a white background.

Color Contrast Check

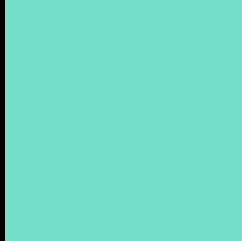
Large Text (above 18pt) WCAG AA × Fail

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 60.1726, 0.2602, 0.3569 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

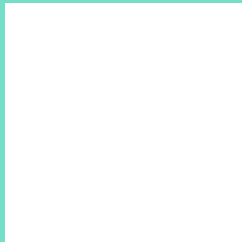
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.1726, 0.2602, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 60.1726, 0.2602, 0.3569.

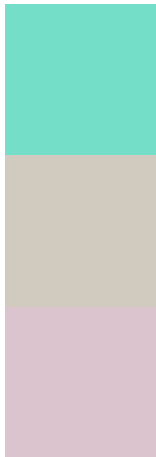


This preview shows how white text looks on a background with the Yxy color 60.1726, 0.2602, 0.3569.

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

60.1726, 0.2602, 0.3569

Protanopia

59.5141, 0.3270, 0.3431

Deuteranopia

59.1517, 0.3244, 0.3177



Tritanopia

60.0595, 0.2469, 0.3063

Trichromacy



Original Color

60.1726, 0.2602, 0.3569



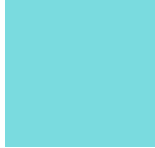
Protanomaly

58.6099, 0.2980, 0.3478



Deuteranomaly

57.9674, 0.2963, 0.3302



Tritanomaly

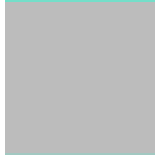
60.1283, 0.2513, 0.3237

Monochromacy



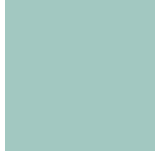
Original Color

60.1726, 0.2602, 0.3569



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.8402, 0.2891, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1726, 0.2602, 0.3569 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(116, 222, 201)` looks like.

```
.text, #text, p{  
    color:rgb(116, 222, 201)  
}
```

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(116, 222, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 222, 201) }
```

Border

The CSS property to change the border of an element to Yxy 60.1726, 0.2602, 0.3569 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(116, 222, 201) }
```

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

```
.border{ border-color:rgb(116, 222, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 222, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 222, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 222, 201);  
box-shadow:4px 4px 4px 4px rgb(116, 222,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1726, 0.2602, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 222, 201) }
```

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

```
.background{ background-color: rgb(116,  
222, 201) }
```

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