

Converting Colors

$Yxy(60.7794, 0.2606, 0.3357)$

Have a look what the booklet for
Yxy(60.7794, 0.2606, 0.3357)
contains.

Yxy(60.9470, 0.2609, 0.3366)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.9470, 0.2609, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	84DCD6
RGB	132, 220, 214
RGB Percent	52%, 86%, 84%
CMY	0.4825, 0.1372, 0.1609
CMYK	0.40, 0.00, 0.03, 0.14
HSL	176°, 56%, 69%
HSV	176°, 40%, 86%
XYZ	47.2403, 60.9470, 72.8793
YIQ	193.0040, -50.5220, -20.5220

Conversions

Conversions Part 2

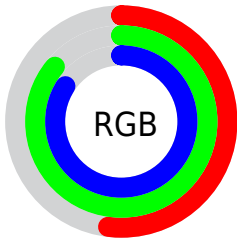
Format	Color
RYB	132, 178, 220
Decimal	8707286
CIELab	82.35, -27.86, -5.38
CIELCh	82, 28.378, 190.928
Yxy	60.9470, 0.2609, 0.3366
Android (android.graphics.Color)	4286897366 (0xFF84DCD6)
YUV	193.0040, 10.3510, -53.5005
Hunter-Lab	78.0686, -28.6074, -0.7010

Details

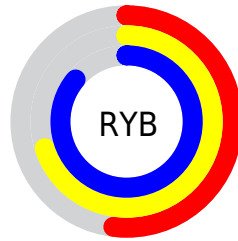
The Yxy color **60.9470, 0.2609, 0.3366** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.5459, 0.4065, 0.3220**, and the grayscale version is **53.2874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **30.9500, 0.2488, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **59.2827, 0.2513, 0.3388**, and if you desaturate by 10%, it is **62.9908, 0.2721, 0.3345**.

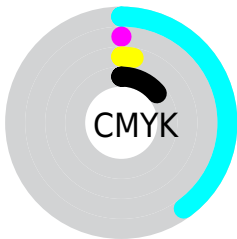
Distribution



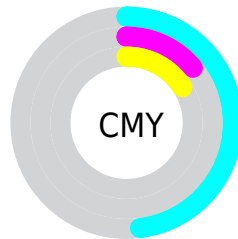
- Red (52%)
- Green (86%)
- Blue (84%)



- Red (52%)
- Yellow (70%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)




- Cyan (48%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9470, 0.2609, 0.3366 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 60.9470, 0.2609, 0.3366 by changing the saturation by 10% instead.


 60.9470, 0.2609,
0.3366


 60.9470, 0.2609,
0.3366

428.0796, 0.2853,
0.3334

 44.1824, 0.2552,
0.3373

 106.2022, 0.2695,
0.3355

 30.8139, 0.2482,
0.3380


 135.4616, 0.2728,
0.3351

 20.4572, 0.2391,
0.3389


 169.6547, 0.2756,
0.3347

 12.7278, 0.2272,
0.3400

209.1659, 0.2781,
0.3344

 7.2414, 0.2108,
0.3411

254.3796, 0.2802,
0.3341

 3.6135, 0.1869,
0.3421

305.6802, 0.2821,

 1.4598, 0.1456,

0.3338

363.4521, 0.2838,
0.3336

0.3432

0.2602, 0.0000,
0.2829

0.0000, 0.0000,
0.0000

60.9470, 0.2609,
0.3366

60.9470, 0.2609,
0.3366

59.2827, 0.2513,
0.3388

62.9908, 0.2721,
0.3345

57.9670, 0.2434,
0.3411

65.4285, 0.2847,
0.3325


56.9758, 0.2375,
0.3434


68.2824, 0.2983,
0.3307

56.2789, 0.2335,
0.3457


71.5714, 0.3127,
0.3290

 55.8406, 0.2313,
0.3480

 75.3128, 0.3275,
0.3275

 55.5975, 0.2306,
0.3503

 77.7813, 0.3360,
0.3261

 77.8630, 0.3350,
0.3245

 77.9454, 0.3339,
0.3230

 78.0285, 0.3329,
0.3215

Harmonies

Analogous

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



60.9470, 0.2892, 0.3702



60.9470, 0.2609, 0.3366



60.9470, 0.2464, 0.3029

Triad

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



60.9470, 0.2609, 0.3366



60.9470, 0.2972, 0.2749



60.9470, 0.3807, 0.3754

Complementary

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



60.9470, 0.2609, 0.3366



33.5459, 0.4065, 0.3220

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.



60.9470, 0.3839, 0.3484



60.9470, 0.2609, 0.3366



60.9470, 0.3341, 0.2924

Square

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



60.9470, 0.2609, 0.3366



60.9470, 0.2664, 0.2699



60.9470, 0.3665, 0.3186



60.9470, 0.3587, 0.3921

Rectangle

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



60.9470, 0.2609, 0.3366



60.9470, 0.2459, 0.2857



60.9470, 0.3665, 0.3186



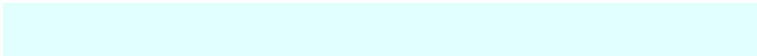
60.9470, 0.3841, 0.3671

Sweetspot

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



60.9494, 0.2609, 0.3366



94.5170, 0.2954, 0.3311



58.3726, 0.3117, 0.4498



20.1143, 0.2936, 0.3313



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.



60.9494, 0.2609, 0.3366



83.1659, 0.2527, 0.3384



44.0725, 0.2501, 0.2796



14.8134, 0.2991, 0.3306



32.6326, 0.2305, 0.3499



2.1188, 0.2295, 0.3462

Inverse Universe

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



33.5459, 0.4065, 0.3220



39.8483, 0.4377, 0.3207



45.1291, 0.3953, 0.3731



13.0659, 0.3281, 0.3274



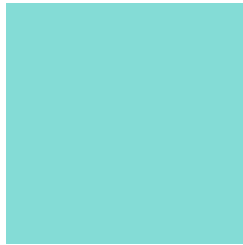
8.9561, 0.6323, 0.3257



0.5854, 0.6100, 0.3134

Previews

White Background



This preview shows how the Yxy color 60.9470, 0.2609, 0.3366 looks on a white background.

Color Contrast Check

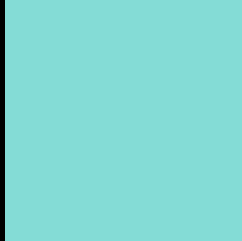
Large Text (above 18pt) WCAG AA × Fail

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 60.9470, 0.2609, 0.3366 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

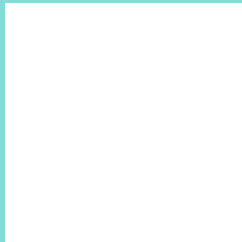
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.9470, 0.2609, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 60.9470, 0.2609, 0.3366.

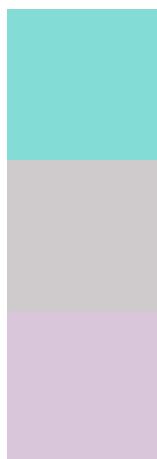


This preview shows how white text looks on a background with the Yxy color 60.9470, 0.2609, 0.3366.

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

60.9470, 0.2609, 0.3366

Protanopia

60.3369, 0.3151, 0.3278

Deuteranopia

60.2544, 0.3123, 0.3055



Tritanopia

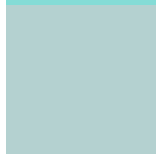
60.9695, 0.2532, 0.3078

Trichromacy



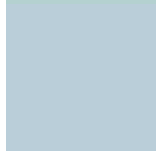
Original Color

60.9470, 0.2609, 0.3366



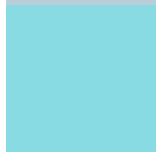
Protanomaly

59.8583, 0.2924, 0.3302



Deuteranomaly

59.5915, 0.2907, 0.3158



Tritanomaly

60.9231, 0.2559, 0.3175

Monochromacy



Original Color

60.9470, 0.2609, 0.3366



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.5868, 0.2904, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9470, 0.2609, 0.3366 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(132, 220, 214)` looks like.

```
.text, #text, p{  
    color:rgb(132, 220, 214)  
}
```

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(132, 220, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 220, 214) }
```

Border

The CSS property to change the border of an element to Yxy 60.9470, 0.2609, 0.3366 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(132, 220, 214) }
```

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

```
.border{ border-color:rgb(132, 220, 214) }
```

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

Here you see how a box with a 4 pixel rgb(132, 220, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 220, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 220, 214);  
box-shadow:4px 4px 4px 4px rgb(132, 220,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9470, 0.2609, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 220, 214) }
```

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

```
.background{ background-color: rgb(132,  
220, 214) }
```

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