

Converting Colors

$Y_{xy}(61.1290, 0.2591, 0.3264)$

Have a look what the booklet for
Yxy(61.1290, 0.2591, 0.3264)
contains.

Yxy(61.1177, 0.2591, 0.3263)	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(61.1177, 0.2591, 0.3263)

Conversions

Conversions Part 1

Format	Color
Hex	88DBDD
RGB	136, 219, 221
RGB Percent	53%, 86%, 87%
CMY	0.4669, 0.1411, 0.1333
CMYK	0.38, 0.01, 0.00, 0.13
HSL	181°, 56%, 70%
HSV	181°, 38%, 87%
XYZ	48.5308, 61.1177, 77.6568
YIQ	194.4110, -50.1100, -16.9740

Conversions

Conversions Part 2

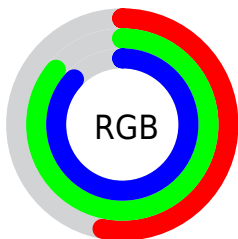
Format	Color
RYB	136, 178, 221
Decimal	8969181
CIELab	82.44, -24.68, -8.96
CIELCh	82, 26.261, 199.957
Yxy	61.1177, 0.2591, 0.3263
Android (android.graphics.Color)	4287159261 (0xFF88DBDD)
YUV	194.4110, 13.1084, -51.2264
Hunter-Lab	78.1778, -26.0029, -4.1704

Details

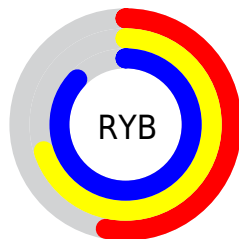
The Yxy color **61.1177, 0.2591, 0.3263** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.3143, 0.4071, 0.3317**, and the grayscale version is **54.1427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **31.0096, 0.2462, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **59.1858, 0.2484, 0.3255**, and if you desaturate by 10%, it is **63.4367, 0.2714, 0.3271**.

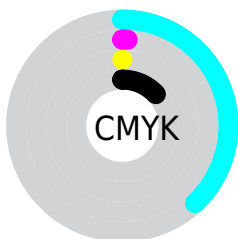
Distribution



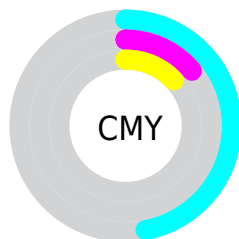
- Red (53%)
- Green (86%)
- Blue (87%)



- Red (53%)
- Yellow (70%)
- Blue (87%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)




- Cyan (47%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.1177, 0.2591, 0.3263 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 61.1177, 0.2591, 0.3263 by changing the saturation by 10% instead.


 61.1177, 0.2591,
0.3263

 61.1177, 0.2591,
0.3263

428.7054, 0.2843,
0.3281


 44.3202, 0.2533,
0.3257


 106.4493, 0.2679,
0.3270

 30.9223, 0.2461,
0.3250


 135.7522, 0.2713,
0.3273

 20.5397, 0.2368,
0.3239


 169.9924, 0.2742,
0.3275

 12.7879, 0.2248,
0.3222

209.5541, 0.2768,
0.3277

 7.2827, 0.2082,
0.3195

254.8219, 0.2790,
0.3278

 3.6395, 0.1843,
0.3146

306.1801, 0.2810,

 1.4740, 0.1461,

0.3279

0.3048

364.0132, 0.2827,
0.3280

■ 0.2703, 0.0000,
0.2269

■ 0.0000, 0.0000,
0.0000

■ 61.1177, 0.2591,
0.3263

■ 61.1177, 0.2591,
0.3263

■ 59.1858, 0.2484,
0.3255

■ 63.4367, 0.2714,
0.3271

■ 57.6102, 0.2396,
0.3247

■ 66.1573, 0.2850,
0.3278

■ 56.3671, 0.2326,
0.3239

■ 69.3018, 0.2997,
0.3285

■ 55.4265, 0.2276,
0.3231

■ 72.8889, 0.3151,
0.3291

■ 54.7534, 0.2245,
0.3224

■ 76.9361, 0.3310,
0.3297

■ 54.2954, 0.2228,
0.3216

■ 78.7975, 0.3371,
0.3302

■ 54.2336, 0.2226,
0.3215

■ 79.0750, 0.3371,
0.3307

■ 79.3534, 0.3370,
0.3312

■ 79.6326, 0.3369,
0.3318

Harmonies

Analogous

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



61.1177, 0.2821, 0.3584



61.1177, 0.2591, 0.3263



61.1177, 0.2501, 0.2972

Triad

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



61.1177, 0.2591, 0.3263



61.1177, 0.3085, 0.2825



61.1177, 0.3711, 0.3781

Complementary

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



61.1177, 0.2591, 0.3263



35.3143, 0.4071, 0.3317

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.



61.1177, 0.3797, 0.3553



61.1177, 0.2591, 0.3263



61.1177, 0.3425, 0.3017

Square

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



61.1177, 0.2591, 0.3263



61.1177, 0.2774, 0.2741



61.1177, 0.3691, 0.3277



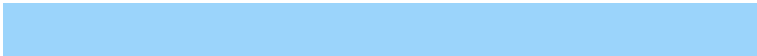
61.1177, 0.3468, 0.3890

Rectangle

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



61.1177, 0.2591, 0.3263



61.1177, 0.2527, 0.2835



61.1177, 0.3691, 0.3277



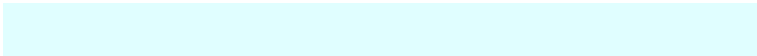
61.1177, 0.3760, 0.3715

Sweetspot

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



61.1201, 0.2591, 0.3263



94.1918, 0.2943, 0.3282



58.7685, 0.3064, 0.4441



20.0371, 0.2923, 0.3281



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.



61.1201, 0.2591, 0.3263



82.3656, 0.2506, 0.3257



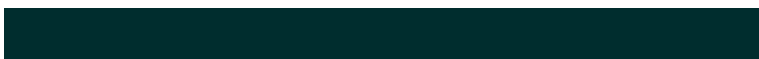
41.9208, 0.2507, 0.2699



14.7741, 0.2982, 0.3284



31.5245, 0.2227, 0.3216



2.0594, 0.2230, 0.3228

Inverse Universe

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



38.0832, 0.3190, 0.2363



46.3941, 0.3203, 0.2189



49.7530, 0.3874, 0.3812



13.2693, 0.3141, 0.3065



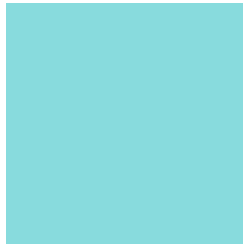
11.8062, 0.3269, 0.1574



0.7666, 0.3258, 0.1569

Previews

White Background



This preview shows how the Yxy color 61.1177, 0.2591, 0.3263 looks on a white background.

Color Contrast Check

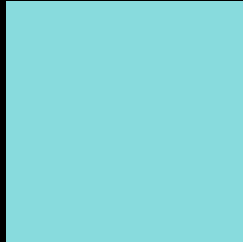
Large Text (above 18pt) WCAG AA × Fail

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 61.1177, 0.2591, 0.3263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

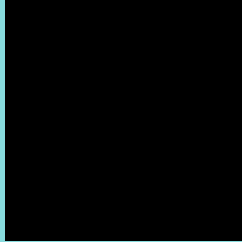
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.1177, 0.2591, 0.3263

Background



This preview shows how black text looks on a background with the Yxy color 61.1177, 0.2591, 0.3263.

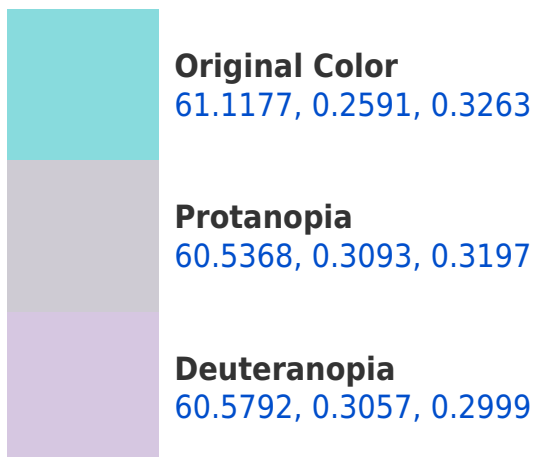


This preview shows how white text looks on a background with the Yxy color 61.1177, 0.2591, 0.3263.

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





Tritanopia

61.1417, 0.2542, 0.3079

Trichromacy



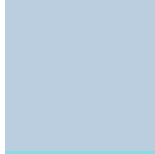
Original Color

61.1177, 0.2591, 0.3263



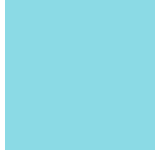
Protanomaly

60.3310, 0.2886, 0.3217



Deuteranomaly

59.9635, 0.2862, 0.3077



Tritanomaly

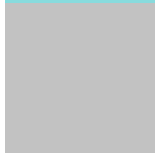
61.2889, 0.2564, 0.3151

Monochromacy



Original Color

61.1177, 0.2591, 0.3263



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

55.9557, 0.2898, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.1177, 0.2591, 0.3263 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(136, 219, 221)` looks like.

```
.text, #text, p{  
    color:rgb(136, 219, 221)  
}
```

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(136, 219, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 219, 221) }
```

Border

The CSS property to change the border of an element to Yxy 61.1177, 0.2591, 0.3263 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(136, 219, 221) }
```

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

```
.border{ border-color:rgb(136, 219, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 219, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 219, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 219, 221);  
box-shadow:4px 4px 4px 4px rgb(136, 219,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 61.1177, 0.2591, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 219, 221) }
```

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

```
.background{ background-color: rgb(136,  
219, 221) }
```

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