

Converting Colors

$Y_{xy}(60.6903, 0.2586, 0.3238)$

Have a look what the booklet for
Yxy(60.6903, 0.2586, 0.3238)
contains.

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Color

Yxy(60.6510, 0.2584, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	88DADE
RGB	136, 218, 222
RGB Percent	53%, 85%, 87%
CMY	0.4669, 0.1450, 0.1294
CMYK	0.39, 0.02, 0.00, 0.13
HSL	183°, 57%, 70%
HSV	183°, 39%, 87%
XYZ	48.4009, 60.6510, 78.2581
YIQ	193.9380, -50.1560, -16.1400

Conversions

Conversions Part 2

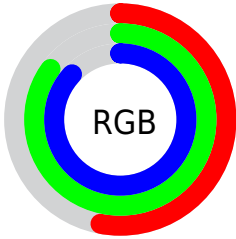
Format	Color
RYB	136, 178, 222
Decimal	8968926
CIELab	82.19, -23.96, -9.86
CIELCh	82, 25.907, 202.363
Yxy	60.6510, 0.2584, 0.3238
Android (android.graphics.Color)	4287159006 (0xFF88DADE)
YUV	193.9380, 13.8346, -50.8116
Hunter-Lab	77.8788, -25.3517, -5.0637

Details

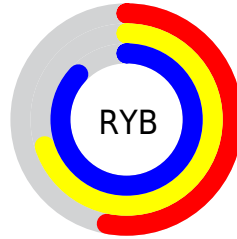
The Yxy color **60.6510, 0.2584, 0.3238** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.0366, 0.4072, 0.3341**, and the grayscale version is **53.8421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **30.6899, 0.2453, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **58.4534, 0.2476, 0.3223**, and if you desaturate by 10%, it is **63.2415, 0.2708, 0.3253**.

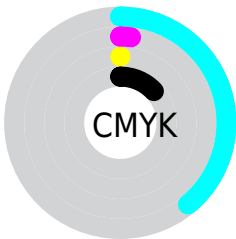
Distribution



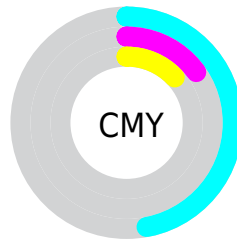
- Red (53%)
- Green (85%)
- Blue (87%)



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



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)





- Cyan (47%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6510, 0.2584, 0.3238 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 60.6510, 0.2584, 0.3238 by changing the saturation by 10% instead.

 60.6510, 0.2584,
0.3238


 60.6510, 0.2584,
0.3238


426.9932, 0.2839,
0.3268


 43.9436, 0.2525,
0.3230


 105.7734, 0.2673,
0.3250

 30.6262, 0.2452,
0.3218


 134.9573, 0.2708,
0.3254

 20.3143, 0.2358,
0.3202

 169.0687, 0.2737,
0.3257

 12.6237, 0.2236,
0.3179

208.4920, 0.2763,
0.3260

 7.1700, 0.2068,
0.3142

253.6118, 0.2786,
0.3263

 3.5686, 0.1826,
0.3079

304.8123, 0.2805,

 1.4353, 0.1438,

0.3265

362.4780, 0.2823,
0.3267

0.2958

0.2425, 0.0000,
0.2028

0.0000, 0.0000,
0.0000

60.6510, 0.2584,
0.3238

60.6510, 0.2584,
0.3238

58.4534, 0.2476,
0.3223

63.2415, 0.2708,
0.3253

56.6176, 0.2385,
0.3207

66.2397, 0.2845,
0.3267

55.1194, 0.2313,
0.3192

69.6681, 0.2992,
0.3279

53.9285, 0.2261,
0.3176

73.5458, 0.3146,
0.3291

■ 53.0090, 0.2227,
0.3160

■ 77.8904, 0.3305,
0.3302

■ 52.3064, 0.2208,
0.3145

■ 79.9387, 0.3362,
0.3313

■ 52.2254, 0.2207,
0.3144

■ 80.4927, 0.3360,
0.3323

■ 81.0501, 0.3359,
0.3333

■ 81.6108, 0.3358,
0.3343

Harmonies

Analogous

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



60.6510, 0.2802, 0.3557



60.6510, 0.2584, 0.3238



60.6510, 0.2507, 0.2956

Triad

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



60.6510, 0.2584, 0.3238



60.6510, 0.3113, 0.2842



60.6510, 0.3691, 0.3790

Complementary

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



60.6510, 0.2584, 0.3238



36.0366, 0.4072, 0.3341

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.



60.6510, 0.3789, 0.3571



60.6510, 0.2584, 0.3238



60.6510, 0.3446, 0.3039

Square

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



60.6510, 0.2584, 0.3238



60.6510, 0.2799, 0.2749



60.6510, 0.3699, 0.3300



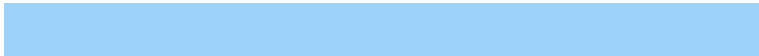
60.6510, 0.3440, 0.3884

Rectangle

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



60.6510, 0.2584, 0.3238



60.6510, 0.2541, 0.2828



60.6510, 0.3699, 0.3300



60.6510, 0.3743, 0.3727

Sweetspot

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



60.6534, 0.2584, 0.3238



93.7518, 0.2942, 0.3275



59.3271, 0.3056, 0.4431



19.9328, 0.2923, 0.3274



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.



60.6534, 0.2584, 0.3238



80.4182, 0.2490, 0.3225



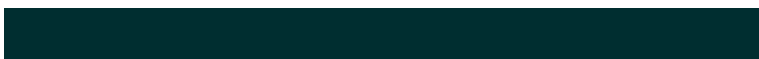
41.5917, 0.2499, 0.2674



15.4580, 0.2982, 0.3279



31.0692, 0.2207, 0.3146



2.1875, 0.2214, 0.3169

Inverse Universe

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



38.1824, 0.3208, 0.2375



45.4980, 0.3228, 0.2189



50.6928, 0.3874, 0.3832



13.9241, 0.3145, 0.3070



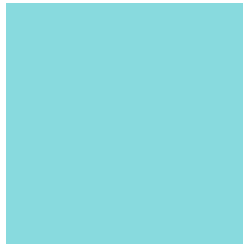
12.0445, 0.3328, 0.1607



0.8383, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 60.6510, 0.2584, 0.3238 looks on a white background.

Color Contrast Check

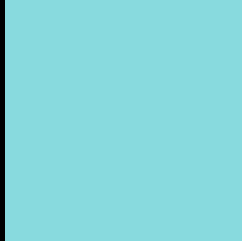
Large Text (above 18pt) WCAG AA × Fail

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 60.6510, 0.2584, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

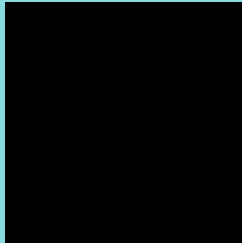
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.6510, 0.2584, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 60.6510, 0.2584, 0.3238.

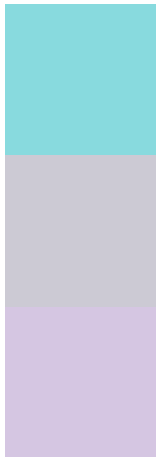


This preview shows how white text looks on a background with the Yxy color 60.6510, 0.2584, 0.3238.

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

60.6510, 0.2584, 0.3238

Protanopia

59.8319, 0.3072, 0.3174

Deuteranopia

60.0253, 0.3042, 0.2976



Tritanopia

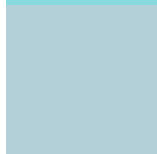
60.5412, 0.2535, 0.3066

Trichromacy



Original Color

60.6510, 0.2584, 0.3238



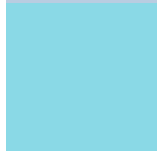
Protanomaly

59.6533, 0.2865, 0.3193



Deuteranomaly

59.4132, 0.2848, 0.3053



Tritanomaly

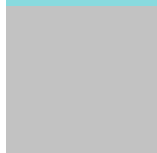
60.7422, 0.2552, 0.3126

Monochromacy



Original Color

60.6510, 0.2584, 0.3238



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 60.6510, 0.2584, 0.3238 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, 218, 222)` looks like.

```
.text, #text, p{  
    color:rgb(136, 218, 222)  
}
```

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, 218, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 218, 222) }
```

Border

The CSS property to change the border of an element to Yxy 60.6510, 0.2584, 0.3238 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, 218, 222) }
```

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

```
.border{ border-color:rgb(136, 218, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 218, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 218, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 218, 222);  
box-shadow:4px 4px 4px 4px rgb(136, 218,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6510, 0.2584, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 218, 222) }
```

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

```
.background{ background-color: rgb(136,  
218, 222) }
```

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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