

Converting Colors

$Yxy(60.2224, 0.2757, 0.3744)$

Have a look what the booklet for
Yxy(60.2224, 0.2757, 0.3744)
contains.

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Color

Yxy(60.2063, 0.2757, 0.3743)

Conversions

Conversions Part 1

Format	Color
Hex	84DDBB
RGB	132, 221, 187
RGB Percent	52%, 87%, 73%
CMY	0.4822, 0.1333, 0.2667
CMYK	0.40, 0.00, 0.15, 0.13
HSL	157°, 57%, 69%
HSV	157°, 40%, 87%
XYZ	44.3465, 60.2063, 56.2976
YIQ	190.5130, -42.1300, -29.4420

Conversions

Conversions Part 2

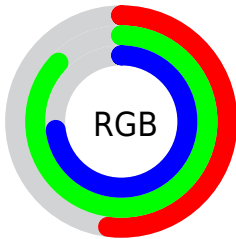
Format	Color
RYB	132, 187, 221
Decimal	8707515
CIELab	81.95, -34.40, 8.36
CIELCh	82, 35.397, 166.346
Yxy	60.2063, 0.2757, 0.3743
Android (android.graphics.Color)	4286897595 (0xFF84DDBB)
YUV	190.5130, -1.7319, -51.3159
Hunter-Lab	77.5927, -33.7694, 11.2969

Details

The Yxy color **60.2063, 0.2757, 0.3743** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.6404, 0.3746, 0.2886**, and the grayscale version is **51.8387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6824, 0.2801, 0.3418**, and **30.2093, 0.2658, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **58.2599, 0.2689, 0.3880**, and if you desaturate by 10%, it is **62.5562, 0.2838, 0.3615**.

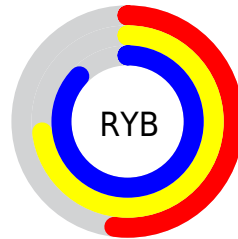
Distribution



Red (52%)

Green (87%)

Blue (73%)



Red (52%)

Yellow (73%)

Blue (87%)

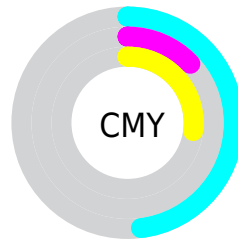


Cyan (40%)

Magenta (0%)

Yellow (15%)

Black (13%)



Cyan (48%)


Magenta (13%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2063, 0.2757, 0.3743 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 60.2063, 0.2757, 0.3743 by changing the saturation by 10% instead.

 60.2063, 0.2757,
0.3743


 60.2063, 0.2757,
0.3743


425.3578, 0.2937,
0.3520

 43.5849, 0.2714,
0.3798


 105.1289, 0.2821,
0.3663

 30.3443, 0.2659,
0.3868


 134.1989, 0.2846,
0.3632

 20.1001, 0.2587,
0.3960


 168.1872, 0.2867,
0.3606

 12.4678, 0.2490,
0.4086

207.4783, 0.2885,
0.3584

 7.0631, 0.2351,
0.4271

252.4565, 0.2900,
0.3565

 3.5016, 0.2137,
0.4564

303.5062, 0.2914,

 1.3989, 0.1563,

0.3548

0.5234

361.0118, 0.2926,
0.3533

0.2159, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.2063, 0.2757,
0.3743

60.2063, 0.2757,
0.3743

58.2599, 0.2689,
0.3880

62.5562, 0.2838,
0.3615

56.6854, 0.2636,
0.4023


65.3247, 0.2928,
0.3497


55.4579, 0.2601,
0.4172


68.5347, 0.3025,
0.3389


54.5466, 0.2586,
0.4321

72.2055, 0.3125,
0.3292


 53.9146, 0.2592,
0.4469


 76.3551, 0.3226,
0.3206

 53.5048, 0.2614,
0.4610

 79.1259, 0.3258,
0.3125

 79.6332, 0.3201,
0.3044

 80.1641, 0.3145,
0.2964

 80.1919, 0.3143,
0.2960

Harmonies

Analogous

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



60.2063, 0.3191, 0.4050



60.2063, 0.2757, 0.3743



60.2063, 0.2437, 0.3298

Triad

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



60.2063, 0.2757, 0.3743



60.2063, 0.2610, 0.2560



60.2063, 0.4033, 0.3584

Complementary

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



60.2063, 0.2757, 0.3743



34.6404, 0.3746, 0.2886

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.



60.2063, 0.3860, 0.3219



60.2063, 0.2757, 0.3743



60.2063, 0.3011, 0.2654

Square

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



60.2063, 0.2757, 0.3743



60.2063, 0.2359, 0.2636



60.2063, 0.3474, 0.2890



60.2063, 0.3941, 0.3910

Rectangle

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



60.2063, 0.2757, 0.3743



60.2063, 0.2323, 0.3014



60.2063, 0.3474, 0.2890



60.2063, 0.4004, 0.3463

Sweetspot

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



60.2087, 0.2757, 0.3743



93.9208, 0.3006, 0.3408



61.5013, 0.3303, 0.4438



19.9734, 0.2994, 0.3422



0.0000, 0.0000, 0.0000



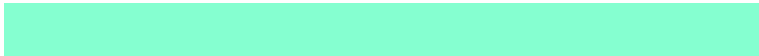
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.2087, 0.2757, 0.3743



81.0391, 0.2700, 0.3854



56.5291, 0.2554, 0.3154



14.7408, 0.3033, 0.3381



31.1051, 0.2608, 0.4587



2.0318, 0.2542, 0.4351

Inverse Universe

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



34.6404, 0.3746, 0.2886



41.1957, 0.3936, 0.2808



36.5103, 0.4093, 0.3418



13.1335, 0.3232, 0.3201



9.3264, 0.5439, 0.2770



0.6207, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 60.2063, 0.2757, 0.3743 looks on a white background.

Color Contrast Check

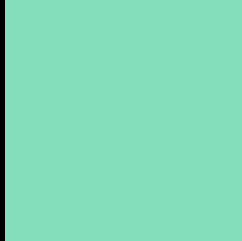
Large Text (above 18pt) WCAG AA × Fail

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 60.2063, 0.2757, 0.3743 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

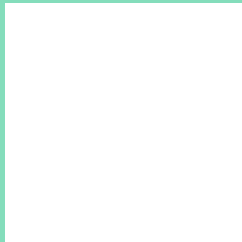
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.2063, 0.2757, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 60.2063, 0.2757, 0.3743.

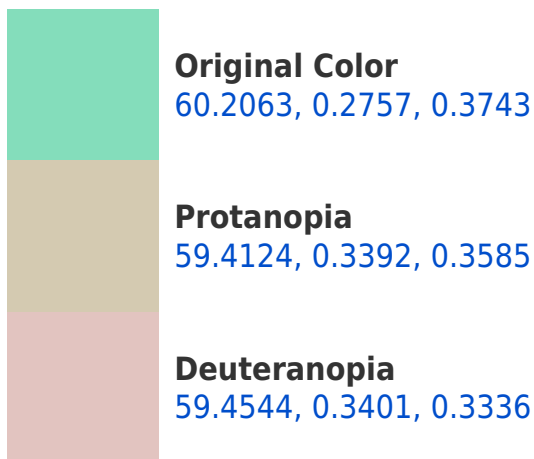


This preview shows how white text looks on a background with the Yxy color 60.2063, 0.2757, 0.3743.

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

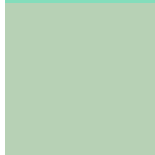
60.2667, 0.2564, 0.3078

Trichromacy



Original Color

60.2063, 0.2757, 0.3743



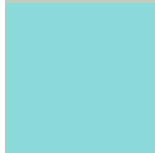
Protanomaly

59.0044, 0.3126, 0.3640



Deuteranomaly

58.5868, 0.3134, 0.3473



Tritanomaly

60.0725, 0.2630, 0.3301

Monochromacy



Original Color

60.2063, 0.2757, 0.3743



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.5048, 0.2969, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2063, 0.2757, 0.3743 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, 221, 187)` looks like.

```
.text, #text, p{  
    color:rgb(132, 221, 187)  
}
```

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, 221, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 221, 187) }
```

Border

The CSS property to change the border of an element to Yxy 60.2063, 0.2757, 0.3743 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, 221, 187) }
```

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

```
.border{ border-color:rgb(132, 221, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 221, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 221, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 221, 187);  
box-shadow:4px 4px 4px 4px rgb(132, 221,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2063, 0.2757, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 221, 187) }
```

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

```
.background{ background-color: rgb(132,  
221, 187) }
```

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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