

Converting Colors

$Yxy(47.7794, 0.2348, 0.3063)$

Have a look what the booklet for
Yxy(47.7794, 0.2348, 0.3063)
contains.

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Color

Yxy(47.7794, 0.2348, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	57C7D7
RGB	87, 199, 215
RGB Percent	34%, 78%, 84%
CMY	0.6584, 0.2196, 0.1568
CMYK	0.59, 0.07, 0.00, 0.16
HSL	188°, 62%, 59%
HSV	188°, 59%, 84%
XYZ	36.6262, 47.7794, 71.5833
YIQ	167.3360, -71.8880, -18.7680

Conversions

Conversions Part 2

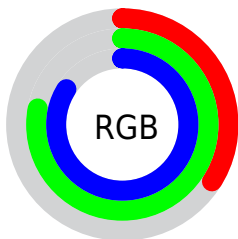
Format	Color
R _Y B	87, 147, 215
Decimal	5752791
CIE Lab	74.69, -27.04, -17.55
CIE LCh	75, 32.234, 212.990
Yxy	47.7794, 0.2348, 0.3063
Android (android.graphics.Color)	4283942871 (0xFF57C7D7)
YUV	167.3360, 23.4984, -70.4547
Hunter-Lab	69.1226, -26.3824, -13.0148

Details

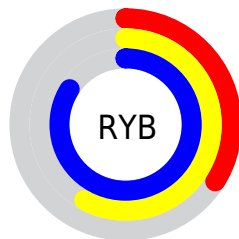
The Yxy color **47.7794, 0.2348, 0.3063** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.8593, 0.4842, 0.3478**, and the grayscale version is **38.7382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **22.7889, 0.2166, 0.2997** is the 20% darker color. If you saturate the color by 10%, you get **45.6671, 0.2267, 0.3019**, and if you desaturate by 10%, it is **50.2254, 0.2447, 0.3106**.

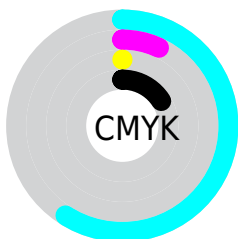
Distribution



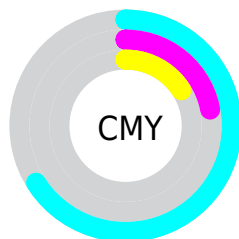
- Red (34%)
- Green (78%)
- Blue (84%)



- Red (34%)
- Yellow (58%)
- Blue (84%)



- Cyan (59%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (66%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7794, 0.2348, 0.3063 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 47.7794, 0.2348, 0.3063 by changing the saturation by 10% instead.

 47.7794, 0.2348,
0.3063


 47.7794, 0.2348,
0.3063


377.9171, 0.2724,
0.3186


 33.6522, 0.2259,
0.3030


 86.8759, 0.2481,
0.3110

 22.6266, 0.2147,
0.2986


 112.6139, 0.2532,
0.3127

 14.3180, 0.2004,
0.2925


 142.9911, 0.2576,
0.3141

 8.3422, 0.1814,
0.2837

 178.3917, 0.2614,
0.3153

 4.3147, 0.1553,
0.2701

219.2003, 0.2646,
0.3163

 1.8511, 0.1182,
0.2469

265.8011, 0.2675,

 0.5187, 0.0000,

0.3172

0.2018

318.5785, 0.2701,
0.3180

0.0000, 0.0000,
0.0000

47.7794, 0.2348,
0.3063

47.7794, 0.2348,
0.3063

45.6671, 0.2267,
0.3019

50.2254, 0.2447,
0.3106

43.8547, 0.2206,
0.2975

53.0247, 0.2563,
0.3148

42.3105, 0.2163,
0.2931

56.2013, 0.2692,
0.3188

40.9777, 0.2136,
0.2888

59.7759, 0.2833,
0.3225

40.9119, 0.2135,
0.2886

63.7673, 0.2982,
0.3260

■ 68.1931, 0.3135,
0.3292

■ 73.0701, 0.3291,
0.3320

■ 77.6279, 0.3416,
0.3347

■ 79.0564, 0.3412,
0.3374

Harmonies

Analogous

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



47.7794, 0.2569, 0.3498



47.7794, 0.2348, 0.3063



47.7794, 0.2320, 0.2737

Triad

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



47.7794, 0.2348, 0.3063



47.7794, 0.3266, 0.2778



47.7794, 0.3778, 0.4027

Complementary

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



47.7794, 0.2348, 0.3063



24.8593, 0.4842, 0.3478

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.



47.7794, 0.3999, 0.3768



47.7794, 0.2348, 0.3063



47.7794, 0.3698, 0.3068

Square

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



47.7794, 0.2348, 0.3063



47.7794, 0.2823, 0.2603



47.7794, 0.3974, 0.3421



47.7794, 0.3388, 0.4091

Rectangle

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



47.7794, 0.2348, 0.3063



47.7794, 0.2410, 0.2614



47.7794, 0.3974, 0.3421



47.7794, 0.3875, 0.3957

Sweetspot

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



47.7812, 0.2348, 0.3063



88.6988, 0.2852, 0.3230



51.5932, 0.2970, 0.5002



18.6360, 0.2810, 0.3219



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.



47.7812, 0.2348, 0.3063



66.5775, 0.2252, 0.3009



24.5819, 0.2133, 0.2095



13.8302, 0.2983, 0.3260



24.5768, 0.2137, 0.2892



1.5584, 0.2158, 0.2967

Inverse Universe

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



25.4030, 0.3370, 0.2051



31.9963, 0.3429, 0.1882



42.3999, 0.4307, 0.4210



12.6047, 0.3157, 0.3088



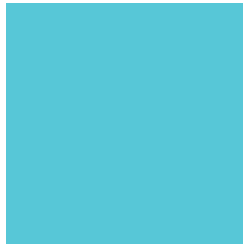
10.8259, 0.3550, 0.1729



0.6606, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 47.7794, 0.2348, 0.3063 looks on a white background.

Color Contrast Check

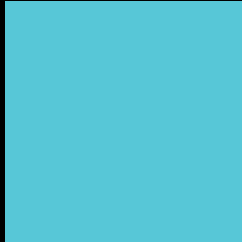
Large Text (above 18pt) WCAG AA × Fail

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 47.7794, 0.2348, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

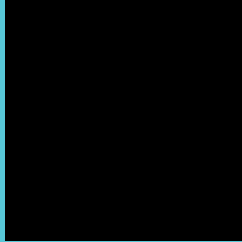
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7794, 0.2348, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 47.7794, 0.2348, 0.3063.

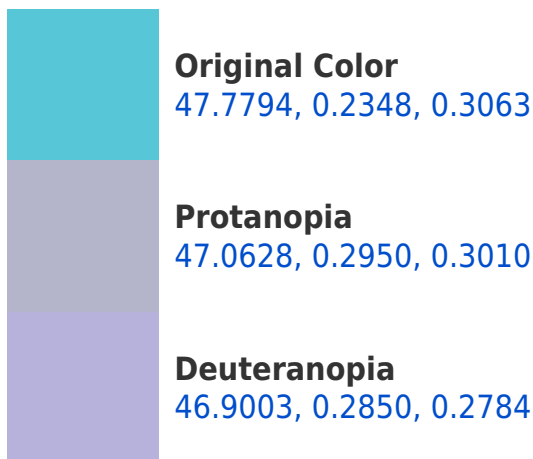


This preview shows how white text looks on a background with the Yxy color 47.7794, 0.2348, 0.3063.

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

47.7794, 0.2348, 0.3063

Trichromacy



Original Color

47.7794, 0.2348, 0.3063

Protanomaly

46.5824, 0.2677, 0.3034

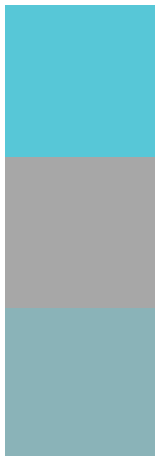
Deuteranomaly

46.3828, 0.2613, 0.2869

Tritanomaly

47.7794, 0.2348, 0.3063

Monochromacy



Original Color

47.7794, 0.2348, 0.3063

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

41.1042, 0.2759, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7794, 0.2348, 0.3063 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(87, 199, 215)` looks like.

```
.text, #text, p{  
    color:rgb(87, 199, 215)  
}
```

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(87, 199, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 199, 215) }
```

Border

The CSS property to change the border of an element to Yxy 47.7794, 0.2348, 0.3063 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(87, 199, 215) }
```

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

```
.border{ border-color:rgb(87, 199, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 199, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 199, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 199, 215);  
box-shadow:4px 4px 4px 4px rgb(87, 199,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7794, 0.2348, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 199, 215) }
```

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

```
.background{ background-color: rgb(87, 199,  
215) }
```

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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