

Converting Colors

$Yxy(48.8034, 0.2467, 0.3260)$

Have a look what the booklet for
Yxy(48.8034, 0.2467, 0.3260)
contains.

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Color

Yxy(48.7944, 0.2467, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	64C9CB
RGB	100, 201, 203
RGB Percent	39%, 79%, 80%
CMY	0.6075, 0.2118, 0.2040
CMYK	0.51, 0.01, 0.00, 0.20
HSL	181°, 50%, 59%
HSV	181°, 51%, 80%
XYZ	36.9251, 48.7944, 63.9566
YIQ	171.0290, -60.8380, -20.7900

Conversions

Conversions Part 2

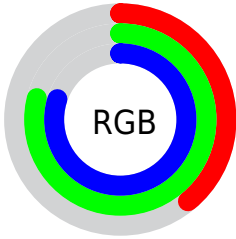
Format	Color
RYB	100, 151, 203
Decimal	6605259
CIELab	75.32, -28.80, -10.04
CIElCh	75, 30.499, 199.224
Yxy	48.7944, 0.2467, 0.3260
Android (android.graphics.Color)	4284795339 (0xFF64C9CB)
YUV	171.0290, 15.7617, -62.2924
Hunter-Lab	69.8530, -27.8856, -5.3881

Details

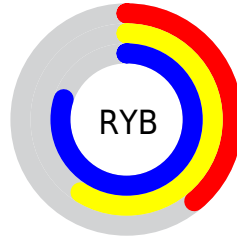
The Yxy color **48.7944, 0.2467, 0.3260** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.1283, 0.4547, 0.3319**, and the grayscale version is **40.6914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **23.3774, 0.2295, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **47.5967, 0.2383, 0.3254**, and if you desaturate by 10%, it is **50.2847, 0.2569, 0.3266**.

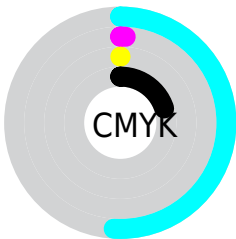
Distribution



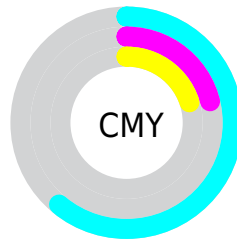
- Red (39%)
- Green (79%)
- Blue (80%)



- Red (39%)
- Yellow (59%)
- Blue (80%)



- Cyan (51%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (61%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7944, 0.2467, 0.3260 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 48.7944, 0.2467, 0.3260 by changing the saturation by 10% instead.


 48.7944, 0.2467,
0.3260


 48.7944, 0.2467,
0.3260


381.9324, 0.2788,
0.3283


 34.4564, 0.2390,
0.3252


 88.3860, 0.2581,
0.3270

 23.2444, 0.2293,
0.3241


 114.4084, 0.2625,
0.3273

 14.7741, 0.2168,
0.3224


 145.0945, 0.2662,
0.3276

 8.6610, 0.1999,
0.3196

 180.8285, 0.2694,
0.3278

 4.5207, 0.1762,
0.3147

221.9949, 0.2722,
0.3279

 1.9689, 0.1411,
0.3050

268.9781, 0.2746,

 0.5893, 0.0000,

0.3281

0.2969

322.1624, 0.2768,
0.3282

0.0000, 0.0000,
0.0000

48.7944, 0.2467,
0.3260

48.7944, 0.2467,
0.3260

47.5967, 0.2383,
0.3254

50.2847, 0.2569,
0.3266

46.6640, 0.2318,
0.3247

52.0816, 0.2688,
0.3273

45.9735, 0.2272,
0.3241

54.2047, 0.2820,
0.3279

45.4955, 0.2244,
0.3234

56.6705, 0.2964,
0.3284

45.1907, 0.2230,
0.3229

59.4945, 0.3116,
0.3290

■ 62.6910, 0.3274,
0.3295

■ 66.2737, 0.3434,
0.3299

■ 68.8139, 0.3535,
0.3303

■ 68.9999, 0.3534,
0.3307

Harmonies

Analogous

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



48.7944, 0.2751, 0.3671



48.7944, 0.2467, 0.3260



48.7944, 0.2354, 0.2894

Triad

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



48.7944, 0.2467, 0.3260



48.7944, 0.3061, 0.2714



48.7944, 0.3861, 0.3890

Complementary

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



48.7944, 0.2467, 0.3260



23.1283, 0.4547, 0.3319

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.



48.7944, 0.3967, 0.3599



48.7944, 0.2467, 0.3260



48.7944, 0.3488, 0.2945

Square

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



48.7944, 0.2467, 0.3260



48.7944, 0.2678, 0.2613



48.7944, 0.3829, 0.3259



48.7944, 0.3556, 0.4043

Rectangle

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



48.7944, 0.2467, 0.3260



48.7944, 0.2383, 0.2726



48.7944, 0.3829, 0.3259



48.7944, 0.3922, 0.3804

Sweetspot

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



48.7963, 0.2467, 0.3260



92.9849, 0.2898, 0.3282



46.3696, 0.3043, 0.4865



19.7153, 0.2868, 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.



48.7963, 0.2467, 0.3260



79.5237, 0.2375, 0.3253



28.7767, 0.2314, 0.2474



12.6886, 0.2984, 0.3285



28.7829, 0.2230, 0.3229



1.4969, 0.2234, 0.3241

Inverse Universe

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



26.0389, 0.3205, 0.2101



37.2980, 0.3221, 0.1897



36.4762, 0.4173, 0.3968



11.3999, 0.3141, 0.3066



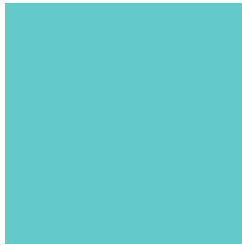
10.7086, 0.3257, 0.1568



0.5537, 0.3247, 0.1563

Previews

White Background



This preview shows how the Yxy color 48.7944, 0.2467, 0.3260 looks on a white background.

Color Contrast Check

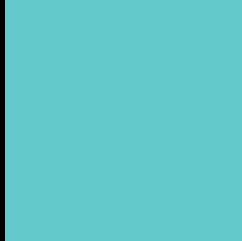
Large Text (above 18pt) WCAG AA × Fail

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 48.7944, 0.2467, 0.3260 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

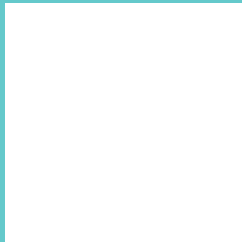
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7944, 0.2467, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 48.7944, 0.2467, 0.3260.

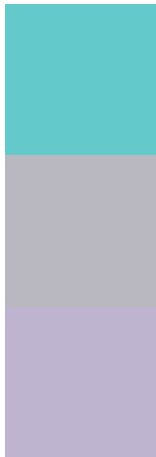


This preview shows how white text looks on a background with the Yxy color 48.7944, 0.2467, 0.3260.

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

48.7944, 0.2467, 0.3260

Protanopia

47.9870, 0.3074, 0.3175

Deuteranopia

48.2729, 0.3002, 0.2946



Tritanopia

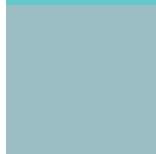
48.6962, 0.2419, 0.3067

Trichromacy



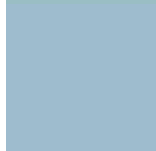
Original Color

48.7944, 0.2467, 0.3260



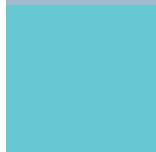
Protanomaly

47.6825, 0.2806, 0.3208



Deuteranomaly

47.6918, 0.2767, 0.3053



Tritanomaly

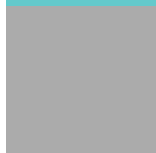
48.8953, 0.2437, 0.3135

Monochromacy



Original Color

48.7944, 0.2467, 0.3260



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

42.8945, 0.2821, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7944, 0.2467, 0.3260 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(100, 201, 203)` looks like.

```
.text, #text, p{  
    color:rgb(100, 201, 203)  
}
```

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(100, 201, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 201, 203) }
```

Border

The CSS property to change the border of an element to Yxy 48.7944, 0.2467, 0.3260 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(100, 201, 203) }
```

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

```
.border{ border-color:rgb(100, 201, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 201, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 201, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 201, 203);  
box-shadow:4px 4px 4px 4px rgb(100, 201,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7944, 0.2467, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 201, 203) }
```

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

```
.background{ background-color: rgb(100,  
201, 203) }
```

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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