

Converting Colors

$Y_{xy}(47.1220, 0.2521, 0.3352)$

Have a look what the booklet for
Yxy(47.1220, 0.2521, 0.3352)
contains.

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Color

Yxy(47.1668, 0.2520, 0.3346)

Conversions

Conversions Part 1

Format	Color
Hex	67C6C2
RGB	103, 198, 194
RGB Percent	40%, 78%, 76%
CMY	0.5962, 0.2235, 0.2392
CMYK	0.48, 0.00, 0.02, 0.22
HSL	177°, 45%, 59%
HSV	177°, 48%, 78%
XYZ	35.5231, 47.1668, 58.2748
YIQ	169.1390, -55.3360, -21.3840

Conversions

Conversions Part 2

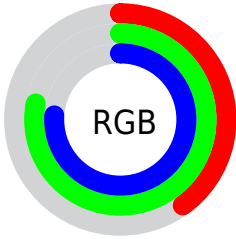
Format	Color
RYB	103, 152, 198
Decimal	6801090
CIELab	74.30, -29.05, -6.70
CIELCh	74, 29.812, 192.985
Yxy	47.1668, 0.2520, 0.3346
Android (android.graphics.Color)	4284991170 (0xFF67C6C2)
YUV	169.1390, 12.2565, -58.0039
Hunter-Lab	68.6781, -27.8592, -2.2342

Details

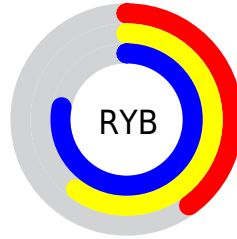
The Yxy color **47.1668, 0.2520, 0.3346** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.7626, 0.4384, 0.3241**, and the grayscale version is **39.7050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8957, 0.2628, 0.3344**, and **22.3114, 0.2359, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **46.0962, 0.2436, 0.3360**, and if you desaturate by 10%, it is **48.5185, 0.2622, 0.3333**.

Distribution



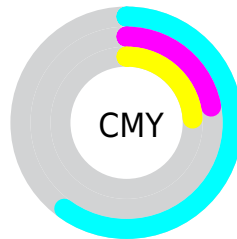
- Red (40%)
- Green (78%)
- Blue (76%)



- Red (40%)
- Yellow (60%)
- Blue (78%)



- Cyan (48%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)




- Cyan (60%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1668, 0.2520, 0.3346 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 47.1668, 0.2520, 0.3346 by changing the saturation by 10% instead.


 47.1668, 0.2520,
0.3346

 47.1668, 0.2520,
0.3346


375.4799, 0.2818,
0.3324

 33.1675, 0.2448,
0.3350


 85.9625, 0.2627,
0.3339


 22.2548, 0.2356,
0.3353


 111.5278, 0.2667,
0.3336

 14.0443, 0.2236,
0.3357


 141.7172, 0.2702,
0.3334

 8.1515, 0.2073,
0.3357

 176.9151, 0.2732,
0.3331

 4.1920, 0.1839,
0.3351

217.5060, 0.2757,
0.3329

 1.7815, 0.1483,
0.3322

263.8741, 0.2780,

 0.4756, 0.0000,

0.3327

316.4040, 0.2800,
0.3325

0.3253

0.0000, 0.0000,
0.0000

47.1668, 0.2520,
0.3346

47.1668, 0.2520,
0.3346

46.0962, 0.2436,
0.3360

48.5185, 0.2622,
0.3333

45.2813, 0.2371,
0.3373

50.1637, 0.2739,
0.3321

44.7013, 0.2324,
0.3387


52.1206, 0.2869,
0.3309

44.3300, 0.2297,
0.3401


54.4046, 0.3009,
0.3298

44.1277, 0.2284,
0.3414

57.0297, 0.3157,
0.3288

 44.0948, 0.2283,
0.3417

 60.0094, 0.3309,
0.3279

 63.3564, 0.3463,
0.3271

 65.8530, 0.3565,
0.3264

 65.8922, 0.3559,
0.3255

Harmonies

Analogous

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



47.1668, 0.2831, 0.3742



47.1668, 0.2520, 0.3346



47.1668, 0.2370, 0.2965

Triad

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



47.1668, 0.2520, 0.3346



47.1668, 0.2976, 0.2688



47.1668, 0.3893, 0.3832

Complementary

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



47.1668, 0.2520, 0.3346



22.7626, 0.4384, 0.3241

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.



47.1668, 0.3948, 0.3527



47.1668, 0.2520, 0.3346



47.1668, 0.3399, 0.2892

Square

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



47.1668, 0.2520, 0.3346



47.1668, 0.2619, 0.2618



47.1668, 0.3764, 0.3191



47.1668, 0.3626, 0.4019

Rectangle

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



47.1668, 0.2520, 0.3346



47.1668, 0.2373, 0.2777



47.1668, 0.3764, 0.3191



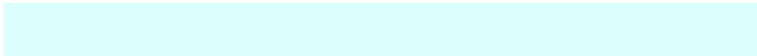
47.1668, 0.3938, 0.3739

Sweetspot

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



47.1686, 0.2520, 0.3346



93.7503, 0.2921, 0.3305



44.5409, 0.3088, 0.4777



19.8833, 0.2891, 0.3307



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.



47.1686, 0.2520, 0.3346



81.4777, 0.2429, 0.3361



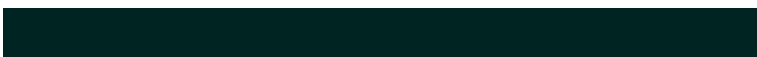
30.4825, 0.2377, 0.2630



12.0596, 0.2989, 0.3299



28.6771, 0.2282, 0.3415



1.3603, 0.2274, 0.3387

Inverse Universe

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



22.7626, 0.4384, 0.3241



32.9958, 0.4855, 0.3235



33.4624, 0.4143, 0.3854



10.6440, 0.3283, 0.3281



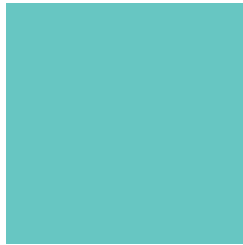
7.8227, 0.6349, 0.3271



0.3730, 0.6172, 0.3174

Previews

White Background



This preview shows how the Yxy color 47.1668, 0.2520, 0.3346 looks on a white background.

Color Contrast Check

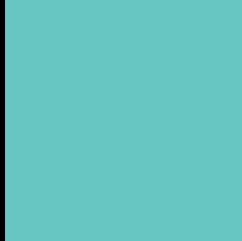
Large Text (above 18pt) WCAG AA × Fail

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 47.1668, 0.2520, 0.3346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

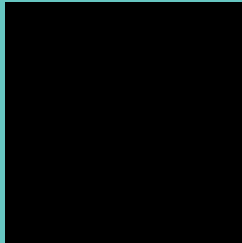
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

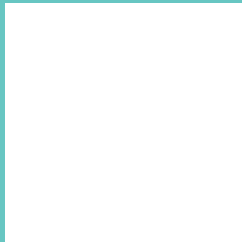
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1668, 0.2520, 0.3346

Background



This preview shows how black text looks on a background with the Yxy color 47.1668, 0.2520, 0.3346.

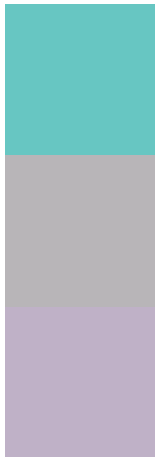


This preview shows how white text looks on a background with the Yxy color 47.1668, 0.2520, 0.3346.

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

47.1668, 0.2520, 0.3346

Protanopia

46.6988, 0.3129, 0.3251

Deuteranopia

46.6442, 0.3072, 0.3015



Tritanopia

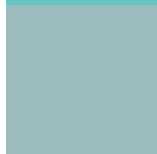
46.9215, 0.2447, 0.3065

Trichromacy



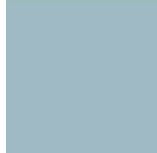
Original Color

47.1668, 0.2520, 0.3346



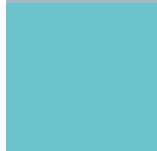
Protanomaly

46.1401, 0.2866, 0.3276



Deuteranomaly

46.1001, 0.2832, 0.3129



Tritanomaly

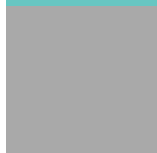
46.9518, 0.2471, 0.3161

Monochromacy



Original Color

47.1668, 0.2520, 0.3346



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.8766, 0.2855, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1668, 0.2520, 0.3346 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(103, 198, 194)` looks like.

```
.text, #text, p{  
    color:rgb(103, 198, 194)  
}
```

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(103, 198, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 198, 194) }
```

Border

The CSS property to change the border of an element to Yxy 47.1668, 0.2520, 0.3346 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(103, 198, 194) }
```

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

```
.border{ border-color:rgb(103, 198, 194) }
```

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

Here you see how a box with a 4 pixel rgb(103, 198, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 198, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 198, 194);  
box-shadow:4px 4px 4px 4px rgb(103, 198,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1668, 0.2520, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 198, 194) }
```

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

```
.background{ background-color: rgb(103,  
198, 194) }
```

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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