

Converting Colors

$Y_{xy}(50.0832, 0.2530, 0.3328)$

Have a look what the booklet for
Yxy(50.0832, 0.2530, 0.3328)
contains.

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Color

Yxy(50.1332, 0.2530, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	6DCBC8
RGB	109, 203, 200
RGB Percent	43%, 80%, 78%
CMY	0.5726, 0.2039, 0.2156
CMYK	0.46, 0.00, 0.01, 0.20
HSL	178°, 47%, 61%
HSV	178°, 46%, 80%
XYZ	38.0892, 50.1332, 62.3278
YIQ	174.5520, -55.0610, -20.8610

Conversions

Conversions Part 2

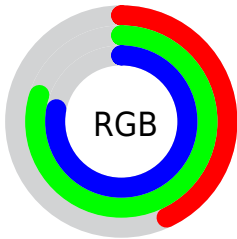
Format	Color
RYB	109, 157, 203
Decimal	7195592
CIELab	76.15, -28.57, -7.18
CIELCh	76, 29.461, 194.108
Yxy	50.1332, 0.2530, 0.3330
Android (android.graphics.Color)	4285385672 (0xFF6DCBC8)
YUV	174.5520, 12.5459, -57.4891
Hunter-Lab	70.8048, -27.8850, -2.6282

Details

The Yxy color **50.1332, 0.2530, 0.3330** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.8018, 0.4334, 0.3255**, and the grayscale version is **42.5823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **23.9081, 0.2372, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **48.9631, 0.2442, 0.3340**, and if you desaturate by 10%, it is **51.6046, 0.2635, 0.3320**.

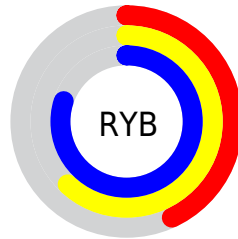
Distribution



Red (43%)

Green (80%)

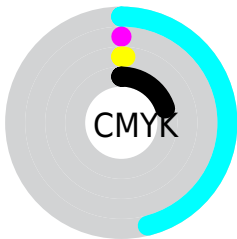
Blue (78%)



Red (43%)

Yellow (62%)

Blue (80%)

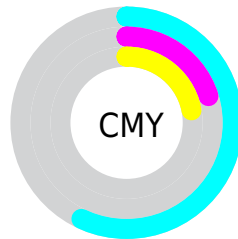


Cyan (46%)

Magenta (0%)

Yellow (1%)

Black (20%)



Cyan (57%)


Magenta (20%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1332, 0.2530, 0.3330 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 50.1332, 0.2530, 0.3330 by changing the saturation by 10% instead.


 50.1332, 0.2530,
0.3330


 50.1332, 0.2530,
0.3330


387.1866, 0.2820,
0.3316


 35.5192, 0.2460,
0.3332


 90.3722, 0.2633,
0.3326

 24.0631, 0.2373,
0.3333


 116.7660, 0.2673,
0.3324

 15.3805, 0.2259,
0.3333


 147.8553, 0.2706,
0.3323

 9.0868, 0.2105,
0.3330

184.0244, 0.2735,
0.3321

 4.7979, 0.1888,
0.3318

225.6576, 0.2761,
0.3320

 2.1292, 0.1562,
0.3284

273.1395, 0.2783,

 0.6809, 0.0000,

0.3318

0.3488

326.8544, 0.2802,
0.3317

0.0000, 0.0000,
0.0000

50.1332, 0.2530,
0.3330

50.1332, 0.2530,
0.3330

48.9631, 0.2442,
0.3340

51.6046, 0.2635,
0.3320

48.0676, 0.2373,
0.3350

53.3903, 0.2756,
0.3311

47.4254, 0.2323,
0.3361

55.5093, 0.2889,
0.3303

47.0091, 0.2292,
0.3371

57.9778, 0.3033,
0.3295

46.7840, 0.2277,
0.3381


60.8106, 0.3183,
0.3287

 46.7248, 0.2274,
0.3385

 64.0218, 0.3338,
0.3281

 67.6247, 0.3494,
0.3275

 68.3890, 0.3520,
0.3269

 68.4201, 0.3515,
0.3262

Harmonies

Analogous

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



50.1332, 0.2827, 0.3714



50.1332, 0.2530, 0.3330



50.1332, 0.2391, 0.2964

Triad

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



50.1332, 0.2530, 0.3330



50.1332, 0.2996, 0.2710



50.1332, 0.3863, 0.3826

Complementary

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



50.1332, 0.2530, 0.3330



24.8018, 0.4334, 0.3255

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.



50.1332, 0.3924, 0.3534



50.1332, 0.2530, 0.3330



50.1332, 0.3405, 0.2914

Square

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



50.1332, 0.2530, 0.3330



50.1332, 0.2646, 0.2638



50.1332, 0.3754, 0.3207



50.1332, 0.3599, 0.3999

Rectangle

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



50.1332, 0.2530, 0.3330



50.1332, 0.2398, 0.2785



50.1332, 0.3754, 0.3207



50.1332, 0.3909, 0.3737

Sweetspot

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



50.1352, 0.2530, 0.3330



93.7741, 0.2919, 0.3301



47.2701, 0.3080, 0.4725



19.8891, 0.2889, 0.3303



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.



50.1352, 0.2530, 0.3330



81.9101, 0.2439, 0.3340



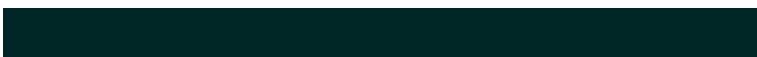
32.4041, 0.2397, 0.2632



12.7207, 0.2988, 0.3297



29.7373, 0.2273, 0.3383



1.5361, 0.2268, 0.3363

Inverse Universe

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



24.8018, 0.4334, 0.3255



34.1703, 0.4781, 0.3251



36.5388, 0.4090, 0.3855



11.2193, 0.3285, 0.3283



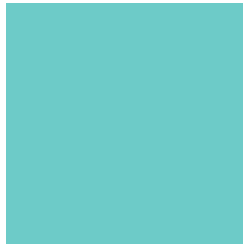
8.0915, 0.6363, 0.3279



0.4195, 0.6235, 0.3208

Previews

White Background



This preview shows how the Yxy color 50.1332, 0.2530, 0.3330 looks on a white background.

Color Contrast Check

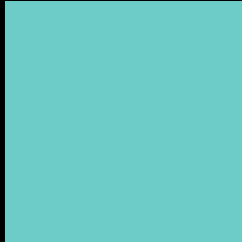
Large Text (above 18pt) WCAG AA × Fail

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 50.1332, 0.2530, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

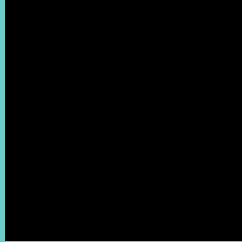
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

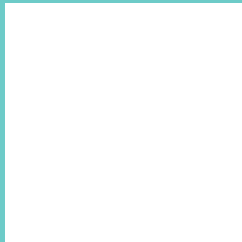
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1332, 0.2530, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 50.1332, 0.2530, 0.3330.

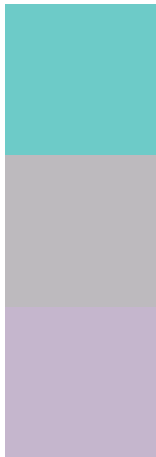


This preview shows how white text looks on a background with the Yxy color 50.1332, 0.2530, 0.3330.

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

50.1332, 0.2530, 0.3330

Protanopia

49.6543, 0.3121, 0.3240

Deuteranopia

49.7340, 0.3074, 0.3011



Tritanopia

49.8957, 0.2459, 0.3058

Trichromacy



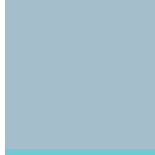
Original Color

50.1332, 0.2530, 0.3330



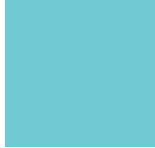
Protanomaly

49.0679, 0.2865, 0.3263



Deuteranomaly

49.1380, 0.2839, 0.3120



Tritanomaly

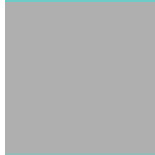
49.9212, 0.2482, 0.3151

Monochromacy



Original Color

50.1332, 0.2530, 0.3330



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

44.7379, 0.2862, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1332, 0.2530, 0.3330 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(109, 203, 200)` looks like.

```
.text, #text, p{  
    color:rgb(109, 203, 200)  
}
```

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(109, 203, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 203, 200) }
```

Border

The CSS property to change the border of an element to Yxy 50.1332, 0.2530, 0.3330 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(109, 203, 200) }
```

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

```
.border{ border-color:rgb(109, 203, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 203, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 203, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 203, 200);  
box-shadow:4px 4px 4px 4px rgb(109, 203,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1332, 0.2530, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 203, 200) }
```

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

```
.background{ background-color: rgb(109,  
203, 200) }
```

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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