

Converting Colors

$Y_{xy}(44.2659, 0.2512, 0.3230)$

Have a look what the booklet for
Yxy(44.2659, 0.2512, 0.3230)
contains.

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Color

Yxy(44.2659, 0.2512, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	6ABFC3
RGB	106, 191, 195
RGB Percent	42%, 75%, 76%
CMY	0.5842, 0.2510, 0.2353
CMYK	0.46, 0.02, 0.00, 0.24
HSL	183°, 43%, 59%
HSV	183°, 46%, 76%
XYZ	34.4260, 44.2659, 58.3542
YIQ	166.0410, -51.9440, -16.7760

Conversions

Conversions Part 2

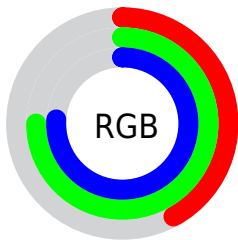
Format	Color
RYB	106, 149, 195
Decimal	6995907
CIELab	72.41, -24.65, -10.03
CIELCh	72, 26.611, 202.146
Yxy	44.2659, 0.2512, 0.3230
Android (android.graphics.Color)	4285185987 (0xFF6ABFC3)
YUV	166.0410, 14.2768, -52.6560
Hunter-Lab	66.5326, -24.0708, -5.4291

Details

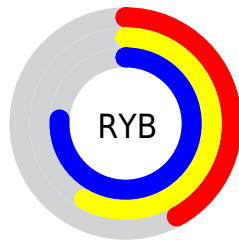
The Yxy color **44.2659, 0.2512, 0.3230** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.7974, 0.4316, 0.3347**, and the grayscale version is **38.1058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8445, 0.2618, 0.3244**, and **20.4187, 0.2343, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **42.8250, 0.2416, 0.3215**, and if you desaturate by 10%, it is **45.9841, 0.2625, 0.3244**.

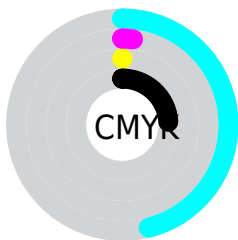
Distribution



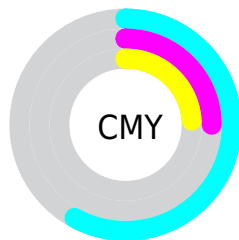
- Red (42%)
- Green (75%)
- Blue (76%)



- Red (42%)
- Yellow (58%)
- Blue (76%)



- Cyan (46%)
- Magenta (2%)
- Yellow (0%)
- Black (24%)





- Cyan (58%)
- Magenta (25%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2659, 0.2512, 0.3230 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 44.2659, 0.2512, 0.3230 by changing the saturation by 10% instead.

 44.2659, 0.2512,
0.3230


 44.2659, 0.2512,
0.3230

363.7922, 0.2816,
0.3267

 30.8796, 0.2437,
0.3219


 81.6177, 0.2622,
0.3245

 20.5072, 0.2343,
0.3203


 106.3520, 0.2663,
0.3250

 12.7643, 0.2218,
0.3179


 135.6378, 0.2698,
0.3254

 7.2664, 0.2048,
0.3142

 169.8594, 0.2728,
0.3258

 3.6293, 0.1804,
0.3078

209.4012, 0.2755,
0.3261

 1.4684, 0.1416,
0.2956

254.6477, 0.2778,

 0.2663, 0.0000,

0.3263

0.2117

305.9833, 0.2798,
0.3265

0.0000, 0.0000,
0.0000

44.2659, 0.2512,
0.3230

44.2659, 0.2512,
0.3230

42.8250, 0.2416,
0.3215

45.9841, 0.2625,
0.3244

41.6376, 0.2338,
0.3200

47.9914, 0.2753,
0.3258

40.6845, 0.2279,
0.3185


50.3051, 0.2892,
0.3271

39.9412, 0.2239,
0.3170

52.9394, 0.3041,
0.3284

39.3776, 0.2215,
0.3155

55.9080, 0.3195,
0.3295

 39.1609, 0.2208,
0.3149

 59.2236, 0.3353,
0.3305

 62.8981, 0.3511,
0.3314

 65.5876, 0.3611,
0.3323

 65.9887, 0.3609,
0.3332

Harmonies

Analogous

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



44.2659, 0.2758, 0.3598



44.2659, 0.2512, 0.3230



44.2659, 0.2425, 0.2909

Triad

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



44.2659, 0.2512, 0.3230



44.2659, 0.3107, 0.2782



44.2659, 0.3770, 0.3855

Complementary

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



44.2659, 0.2512, 0.3230



23.7974, 0.4316, 0.3347

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.



44.2659, 0.3884, 0.3603



44.2659, 0.2512, 0.3230



44.2659, 0.3488, 0.3003

Square

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



44.2659, 0.2512, 0.3230



44.2659, 0.2751, 0.2678



44.2659, 0.3780, 0.3295



44.2659, 0.3483, 0.3970

Rectangle

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



44.2659, 0.2512, 0.3230



44.2659, 0.2462, 0.2764



44.2659, 0.3780, 0.3295



44.2659, 0.3831, 0.3782

Sweetspot

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



44.2676, 0.2512, 0.3230



90.7347, 0.2913, 0.3273



43.1964, 0.3043, 0.4658



19.6558, 0.2881, 0.3270



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.



44.2676, 0.2512, 0.3230



76.6538, 0.2414, 0.3215



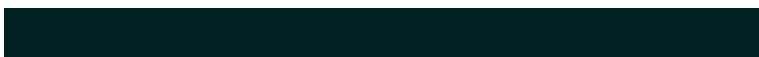
28.0421, 0.2392, 0.2549



11.3485, 0.2984, 0.3279



25.4887, 0.2209, 0.3151



1.1256, 0.2218, 0.3184

Inverse Universe

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



25.6758, 0.3222, 0.2232



39.3921, 0.3245, 0.2031



35.5802, 0.4031, 0.3921



10.2395, 0.3144, 0.3073



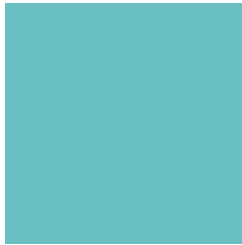
9.8553, 0.3323, 0.1604



0.4283, 0.3296, 0.1589

Previews

White Background



This preview shows how the Yxy color 44.2659, 0.2512, 0.3230 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 44.2659, 0.2512, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

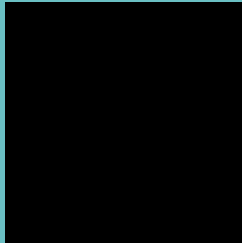
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

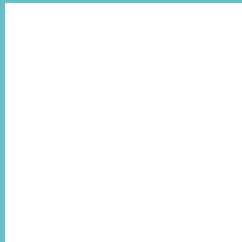
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.2659, 0.2512, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 44.2659, 0.2512, 0.3230.

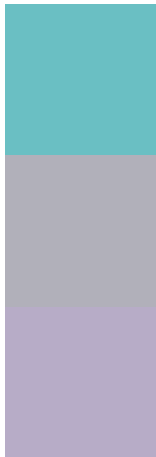


This preview shows how white text looks on a background with the Yxy color 44.2659, 0.2512, 0.3230.

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

44.2659, 0.2512, 0.3230

Protanopia

43.9430, 0.3056, 0.3158

Deuteranopia

43.6958, 0.3005, 0.2944



Tritanopia

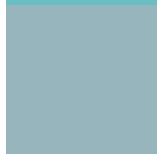
44.0542, 0.2467, 0.3060

Trichromacy



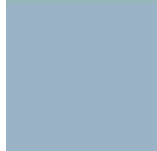
Original Color

44.2659, 0.2512, 0.3230



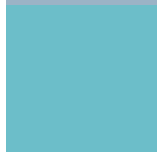
Protanomaly

43.3012, 0.2824, 0.3178



Deuteranomaly

43.2860, 0.2789, 0.3031



Tritanomaly

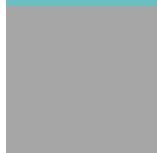
44.2321, 0.2487, 0.3130

Monochromacy



Original Color

44.2659, 0.2512, 0.3230



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

39.7636, 0.2851, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2659, 0.2512, 0.3230 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(106, 191, 195)` looks like.

```
.text, #text, p{  
    color:rgb(106, 191, 195)  
}
```

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(106, 191, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 191, 195) }
```

Border

The CSS property to change the border of an element to Yxy 44.2659, 0.2512, 0.3230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

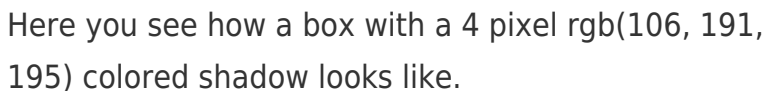
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 191, 195) }
```

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

```
.border{ border-color:rgb(106, 191, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 191, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 191, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 191, 195); box-shadow:4px 4px 4px 4px rgb(106, 191, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2659, 0.2512, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 191, 195) }
```

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

```
.background{ background-color: rgb(106,  
191, 195) }
```

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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