

Converting Colors

$Yxy(44.4868, 0.2486, 0.3204)$

Have a look what the booklet for
Yxy(44.4868, 0.2486, 0.3204)
contains.

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Color

Yxy(44.6141, 0.2488, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	67C0C5
RGB	103, 192, 197
RGB Percent	40%, 75%, 77%
CMY	0.5960, 0.2471, 0.2274
CMYK	0.48, 0.03, 0.00, 0.23
HSL	183°, 45%, 59%
HSV	183°, 48%, 77%
XYZ	34.5256, 44.6141, 59.6289
YIQ	165.9590, -54.6490, -17.3130

Conversions

Conversions Part 2

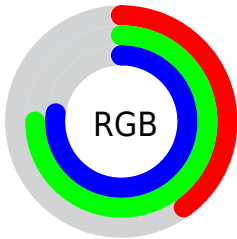
Format	Color
R _{YB}	103, 149, 197
Decimal	6799557
CIE _{Lab}	72.64, -25.30, -10.81
CIE _{LCh}	73, 27.512, 203.130
Y _{xy}	44.6141, 0.2488, 0.3215
Android (android.graphics.Color)	4284989637 (0xFF67C0C5)
YUV	165.9590, 15.3032, -55.2150
Hunter-Lab	66.7938, -24.6227, -6.1743

Details

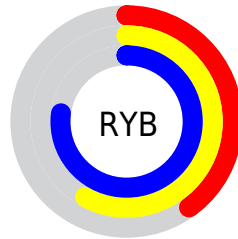
The Yxy color **44.6141, 0.2488, 0.3215** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.5909, 0.4394, 0.3360**, and the grayscale version is **38.0617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3807, 0.2600, 0.3233**, and **20.6524, 0.2314, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **43.1233, 0.2394, 0.3197**, and if you desaturate by 10%, it is **46.3862, 0.2599, 0.3232**.

Distribution



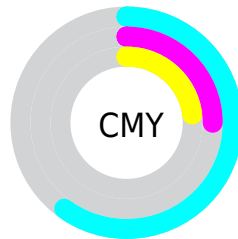
- Red (40%)
- Green (75%)
- Blue (77%)



- Red (40%)
- Yellow (58%)
- Blue (77%)



- Cyan (48%)
- Magenta (3%)
- Yellow (0%)
- Black (23%)





- Cyan (60%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6141, 0.2488, 0.3215 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 44.6141, 0.2488, 0.3215 by changing the saturation by 10% instead.


 44.6141, 0.2488,
0.3215


 44.6141, 0.2488,
0.3215


365.2084, 0.2803,
0.3260


 31.1536, 0.2411,
0.3201


 82.1410, 0.2601,
0.3233


 20.7158, 0.2313,
0.3183


 106.9762, 0.2644,
0.3239

 12.9164, 0.2186,
0.3155


 136.3717, 0.2681,
0.3245

 7.3710, 0.2011,
0.3113

 170.7120, 0.2712,
0.3249

 3.6952, 0.1763,
0.3040

210.3814, 0.2739,
0.3252

 1.5046, 0.1374,
0.2903

255.7644, 0.2763,

 0.2919, 0.0000,

0.3255

0.2132

307.2452, 0.2784,
0.3258

0.0000, 0.0000,
0.0000

44.6141, 0.2488,
0.3215

44.6141, 0.2488,
0.3215

43.1233, 0.2394,
0.3197

46.3862, 0.2599,
0.3232

41.8890, 0.2319,
0.3179

48.4520, 0.2724,
0.3249

40.8908, 0.2263,
0.3161


50.8295, 0.2862,
0.3265

40.1027, 0.2226,
0.3143

53.5338, 0.3009,
0.3279


39.4871, 0.2205,
0.3126


56.5787, 0.3163,
0.3293

 39.3556, 0.2201,
0.3122

 59.9776, 0.3320,
0.3305

 63.7429, 0.3478,
0.3316

 66.7991, 0.3589,
0.3327

 67.2903, 0.3587,
0.3337

Harmonies

Analogous

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



44.6141, 0.2736, 0.3596



44.6141, 0.2488, 0.3215



44.6141, 0.2404, 0.2888

Triad

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



44.6141, 0.2488, 0.3215



44.6141, 0.3118, 0.2774



44.6141, 0.3782, 0.3878

Complementary

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



44.6141, 0.2488, 0.3215



23.5909, 0.4394, 0.3360

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.



44.6141, 0.3907, 0.3621



44.6141, 0.2488, 0.3215



44.6141, 0.3511, 0.3003

Square

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



44.6141, 0.2488, 0.3215



44.6141, 0.2750, 0.2661



44.6141, 0.3807, 0.3305



44.6141, 0.3482, 0.3992

Rectangle

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



44.6141, 0.2488, 0.3215



44.6141, 0.2447, 0.2743



44.6141, 0.3807, 0.3305



44.6141, 0.3847, 0.3804

Sweetspot

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



44.6158, 0.2488, 0.3215



92.6345, 0.2913, 0.3270



43.9060, 0.3030, 0.4708



19.6078, 0.2881, 0.3267



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.



44.6158, 0.2488, 0.3215



77.1726, 0.2393, 0.3197



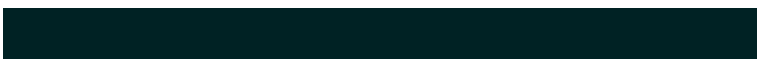
27.2690, 0.2353, 0.2482



11.9666, 0.2984, 0.3277



25.9187, 0.2201, 0.3124



1.2577, 0.2211, 0.3161

Inverse Universe

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



25.3859, 0.3236, 0.2196



39.0659, 0.3261, 0.2003



36.2056, 0.4073, 0.3968



10.8065, 0.3146, 0.3074



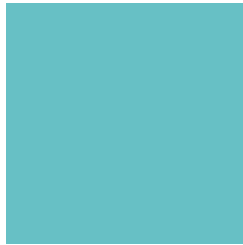
10.1565, 0.3346, 0.1617



0.4840, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 44.6141, 0.2488, 0.3215 looks on a white background.

Color Contrast Check

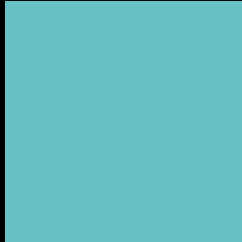
Large Text (above 18pt) WCAG AA × Fail

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 44.6141, 0.2488, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

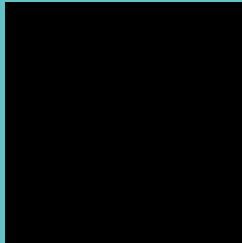
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

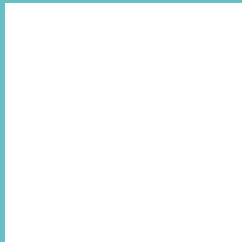
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6141, 0.2488, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 44.6141, 0.2488, 0.3215.

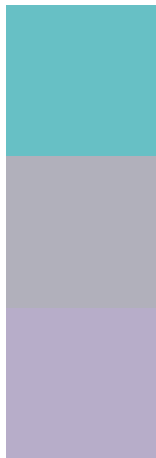


This preview shows how white text looks on a background with the Yxy color 44.6141, 0.2488, 0.3215.

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

44.6141, 0.2488, 0.3215

Protanopia

43.9856, 0.3048, 0.3145

Deuteranopia

44.1715, 0.2989, 0.2933



Tritanopia

44.7820, 0.2452, 0.3075

Trichromacy



Original Color

44.6141, 0.2488, 0.3215

Protanomaly

43.7015, 0.2803, 0.3165

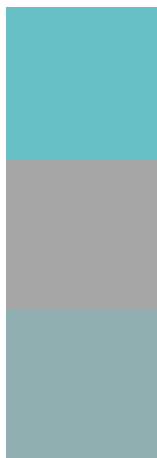
Deuteranomaly

43.6827, 0.2769, 0.3018

Tritanomaly

44.5767, 0.2463, 0.3116

Monochromacy



Original Color

44.6141, 0.2488, 0.3215

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.6739, 0.2843, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6141, 0.2488, 0.3215 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, 192, 197)` looks like.

```
.text, #text, p{  
    color:rgb(103, 192, 197)  
}
```

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, 192, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 192, 197) }
```

Border

The CSS property to change the border of an element to Yxy 44.6141, 0.2488, 0.3215 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, 192, 197) }
```

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

```
.border{ border-color:rgb(103, 192, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 192, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 192, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 192, 197);  
box-shadow:4px 4px 4px 4px rgb(103, 192,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6141, 0.2488, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 192, 197) }
```

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

```
.background{ background-color: rgb(103,  
192, 197) }
```

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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