

Converting Colors

$Y_{xy}(43.6007, 0.2520, 0.3130)$

Have a look what the booklet for
Yxy(43.6007, 0.2520, 0.3130)
contains.

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Color

Yxy(43.6007, 0.2520, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	71BCC7
RGB	113, 188, 199
RGB Percent	44%, 74%, 78%
CMY	0.5568, 0.2627, 0.2196
CMYK	0.43, 0.06, 0.00, 0.22
HSL	188°, 43%, 61%
HSV	188°, 43%, 78%
XYZ	35.1034, 43.6007, 60.5952
YIQ	166.8290, -48.2310, -12.4790

Conversions

Conversions Part 2

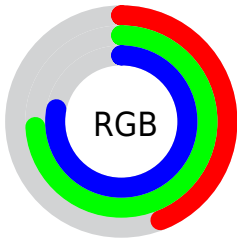
Format	Color
RYB	113, 153, 199
Decimal	7453895
CIELab	71.96, -20.41, -12.85
CIELCh	72, 24.116, 212.204
Yxy	43.6007, 0.2520, 0.3130
Android (android.graphics.Color)	4285643975 (0xFF71BCC7)
YUV	166.8290, 15.8603, -47.2080
Hunter-Lab	66.0308, -20.6594, -8.1877

Details

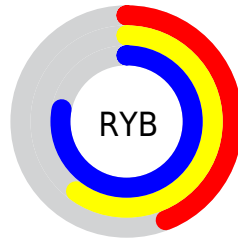
The Yxy color **43.6007, 0.2520, 0.3130** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.7542, 0.4181, 0.3439**, and the grayscale version is **38.4981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3564, 0.2631, 0.3167**, and **20.2421, 0.2358, 0.3086** is the 20% darker color. If you saturate the color by 10%, you get **41.3459, 0.2410, 0.3087**, and if you desaturate by 10%, it is **46.1674, 0.2645, 0.3171**.

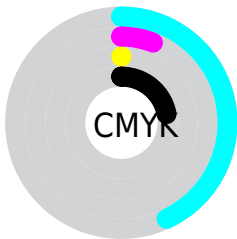
Distribution



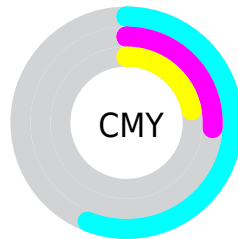
- Red (44%)
- Green (74%)
- Blue (78%)



- Red (44%)
- Yellow (60%)
- Blue (78%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)





- Cyan (56%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6007, 0.2520, 0.3130 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 43.6007, 0.2520, 0.3130 by changing the saturation by 10% instead.


 43.6007, 0.2520,
0.3130

 43.6007, 0.2520,
0.3130

361.0763, 0.2820,
0.3217


 30.3567, 0.2446,
0.3106


 80.6166, 0.2628,
0.3163

 20.1095, 0.2353,
0.3074


 105.1572, 0.2669,
0.3175

 12.4747, 0.2230,
0.3029

 134.2322, 0.2704,
0.3185

 7.0678, 0.2062,
0.2963


168.2260, 0.2734,
0.3194

 3.5045, 0.1820,
0.2856

207.5229, 0.2760,
0.3201

 1.4005, 0.1446,
0.2663

252.5073, 0.2782,

 0.2171, 0.0000,

0.3207

0.1594

303.5637, 0.2803,
0.3213

0.0000, 0.0000,
0.0000

43.6007, 0.2520,
0.3130

43.6007, 0.2520,
0.3130

41.3459, 0.2410,
0.3087

46.1674, 0.2645,
0.3171

39.3788, 0.2317,
0.3043

49.0584, 0.2781,
0.3210

37.6795, 0.2243,
0.2998


52.2916, 0.2927,
0.3247


36.2233, 0.2188,
0.2953

55.8819, 0.3078,
0.3280


34.9805, 0.2151,
0.2909


59.8434, 0.3232,
0.3310

 34.2204, 0.2133,
0.2879

 64.1894, 0.3387,
0.3338

 68.9325, 0.3541,
0.3362

 70.6711, 0.3556,
0.3387

 71.9249, 0.3551,
0.3413

Harmonies

Analogous

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



43.6007, 0.2701, 0.3461



43.6007, 0.2520, 0.3130



43.6007, 0.2492, 0.2870

Triad

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



43.6007, 0.2520, 0.3130



43.6007, 0.3228, 0.2882



43.6007, 0.3641, 0.3859

Complementary

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



43.6007, 0.2520, 0.3130



27.7542, 0.4181, 0.3439

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.



43.6007, 0.3803, 0.3665



43.6007, 0.2520, 0.3130



43.6007, 0.3560, 0.3113

Square

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



43.6007, 0.2520, 0.3130



43.6007, 0.2885, 0.2747



43.6007, 0.3774, 0.3393



43.6007, 0.3344, 0.3902

Rectangle

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



43.6007, 0.2520, 0.3130



43.6007, 0.2562, 0.2766



43.6007, 0.3774, 0.3393



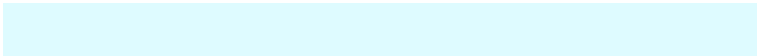
43.6007, 0.3714, 0.3808

Sweetspot

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



43.6024, 0.2520, 0.3130



91.5707, 0.2927, 0.3247



45.7886, 0.3004, 0.4464



19.3170, 0.2894, 0.3239



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.



43.6024, 0.2520, 0.3130



72.5603, 0.2415, 0.3089



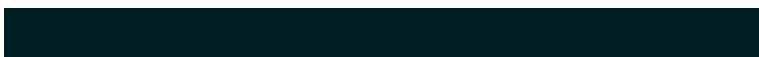
28.1870, 0.2411, 0.2481



11.8271, 0.2984, 0.3260



22.0954, 0.2135, 0.2885



1.1126, 0.2160, 0.2977

Inverse Universe

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



27.5878, 0.3294, 0.2358



41.4530, 0.3340, 0.2174



40.6212, 0.3933, 0.3977



10.7924, 0.3157, 0.3091



9.7705, 0.3557, 0.1733



0.4693, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 43.6007, 0.2520, 0.3130 looks on a white background.

Color Contrast Check

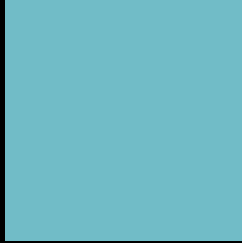
Large Text (above 18pt) WCAG AA × Fail

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 43.6007, 0.2520, 0.3130 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 43.6007, 0.2520, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 43.6007, 0.2520, 0.3130.

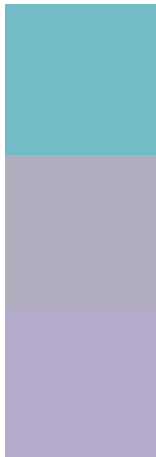


This preview shows how white text looks on a background with the Yxy color 43.6007, 0.2520, 0.3130.

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

43.6007, 0.2520, 0.3130

Protanopia

42.9885, 0.2999, 0.3078

Deuteranopia

43.1409, 0.2948, 0.2880



Tritanopia

43.4299, 0.2500, 0.3060

Trichromacy



Original Color

43.6007, 0.2520, 0.3130

Protanomaly

42.7659, 0.2801, 0.3096

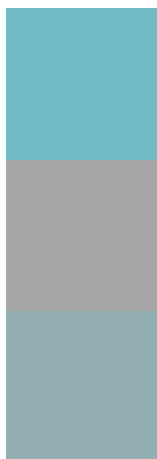
Deuteranomaly

42.7765, 0.2767, 0.2952

Tritanomaly

43.3823, 0.2506, 0.3074

Monochromacy



Original Color

43.6007, 0.2520, 0.3130

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.1177, 0.2860, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6007, 0.2520, 0.3130 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(113, 188, 199)` looks like.

```
.text, #text, p{  
    color:rgb(113, 188, 199)  
}
```

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(113, 188, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 188, 199) }
```

Border

The CSS property to change the border of an element to Yxy 43.6007, 0.2520, 0.3130 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(113, 188, 199) }
```

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

```
.border{ border-color:rgb(113, 188, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 188, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 188, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 188, 199);  
box-shadow:4px 4px 4px 4px rgb(113, 188,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6007, 0.2520, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 188, 199) }
```

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

```
.background{ background-color: rgb(113,  
188, 199) }
```

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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