

Converting Colors

$Yxy(43.6166, 0.2453, 0.3091)$

Have a look what the booklet for
Yxy(43.6166, 0.2453, 0.3091)
contains.

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Color

Yxy(43.6500, 0.2452, 0.3086)

Conversions

Conversions Part 1

Format	Color
Hex	68BDCB
RGB	104, 189, 203
RGB Percent	41%, 74%, 80%
CMY	0.5924, 0.2588, 0.2038
CMYK	0.49, 0.07, 0.00, 0.20
HSL	188°, 49%, 60%
HSV	188°, 49%, 80%
XYZ	34.6824, 43.6500, 63.1129
YIQ	165.1810, -55.1540, -13.6660

Conversions

Conversions Part 2

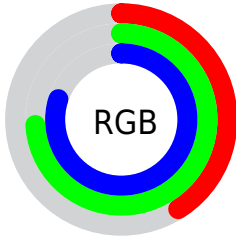
Format	Color
RYB	104, 150, 203
Decimal	6864331
CIELab	71.99, -21.99, -15.04
CIElCh	72, 26.642, 214.376
Yxy	43.6500, 0.2452, 0.3086
Android (android.graphics.Color)	4285054411 (0xFF68BDCB)
YUV	165.1810, 18.6448, -53.6557
Hunter-Lab	66.0681, -21.9160, -10.3902

Details

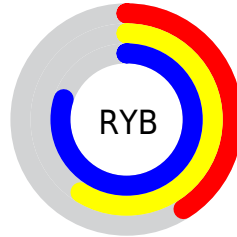
The Yxy color **43.6500, 0.2452, 0.3086** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.6437, 0.4381, 0.3474**, and the grayscale version is **37.6409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1019, 0.2594, 0.3177**, and **20.0115, 0.2265, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **41.3570, 0.2350, 0.3037**, and if you desaturate by 10%, it is **46.2632, 0.2570, 0.3133**.

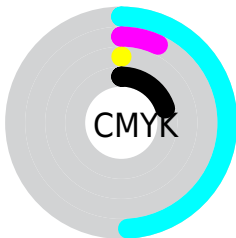
Distribution



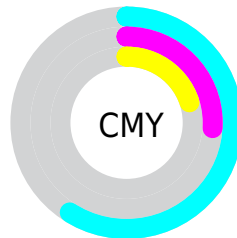
- Red (41%)
- Green (74%)
- Blue (80%)



- Red (41%)
- Yellow (59%)
- Blue (80%)



- Cyan (49%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)




- Cyan (59%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6500, 0.2452, 0.3086 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 43.6500, 0.2452, 0.3086 by changing the saturation by 10% instead.


 43.6500, 0.2452,
0.3086


 43.6500, 0.2452,
0.3086


361.2781, 0.2785,
0.3197


 30.3954, 0.2371,
0.3056


 80.6908, 0.2572,
0.3128

 20.1389, 0.2268,
0.3015

 105.2459, 0.2617,
0.3144

 12.4961, 0.2134,
0.2960


 134.3366, 0.2655,
0.3156

 7.0825, 0.1952,
0.2877

 168.3473, 0.2688,
0.3167

 3.5137, 0.1694,
0.2746

207.6624, 0.2717,
0.3176

 1.4055, 0.1299,
0.2517

252.6663, 0.2743,

 0.2207, 0.0000,

0.3184

0.1423

303.7434, 0.2765,
0.3191

0.0000, 0.0000,
0.0000

43.6500, 0.2452,
0.3086

43.6500, 0.2452,
0.3086

41.3570, 0.2350,
0.3037

46.2632, 0.2570,
0.3133

39.3577, 0.2265,
0.2988

49.2109, 0.2702,
0.3178

37.6293, 0.2200,
0.2937


52.5126, 0.2843,
0.3220


36.1432, 0.2153,
0.2888


56.1846, 0.2992,
0.3259

34.8530, 0.2123,
0.2838


60.2423, 0.3146,
0.3294

 34.7045, 0.2120,
0.2832

 64.7000, 0.3300,
0.3326

 69.5716, 0.3454,
0.3355

 72.6521, 0.3518,
0.3383

 74.1006, 0.3513,
0.3412

Harmonies

Analogous

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



43.6500, 0.2638, 0.3451



43.6500, 0.2452, 0.3086



43.6500, 0.2435, 0.2810

Triad

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



43.6500, 0.2452, 0.3086



43.6500, 0.3266, 0.2858



43.6500, 0.3673, 0.3927

Complementary

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



43.6500, 0.2452, 0.3086



26.6437, 0.4381, 0.3474

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.



43.6500, 0.3867, 0.3719



43.6500, 0.2452, 0.3086



43.6500, 0.3628, 0.3115

Square

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



43.6500, 0.2452, 0.3086



43.6500, 0.2885, 0.2701



43.6500, 0.3853, 0.3423



43.6500, 0.3337, 0.3964

Rectangle

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



43.6500, 0.2452, 0.3086



43.6500, 0.2519, 0.2705



43.6500, 0.3853, 0.3423



43.6500, 0.3757, 0.3873

Sweetspot

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



43.6517, 0.2452, 0.3086



90.0499, 0.2896, 0.3234



46.9512, 0.2981, 0.4622



19.0004, 0.2865, 0.3226



0.0000, 0.0000, 0.0000



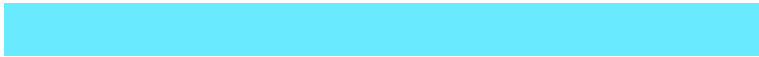
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.6517, 0.2452, 0.3086



68.8819, 0.2341, 0.3032



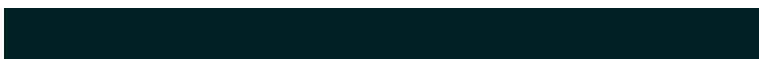
26.0869, 0.2309, 0.2326



12.4459, 0.2983, 0.3256



22.1809, 0.2122, 0.2839



1.2204, 0.2149, 0.2936

Inverse Universe

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



26.2623, 0.3336, 0.2260



37.1961, 0.3395, 0.2068



41.2233, 0.4049, 0.4082



11.3754, 0.3159, 0.3093



10.0422, 0.3599, 0.1756



0.5257, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 43.6500, 0.2452, 0.3086 looks on a white background.

Color Contrast Check

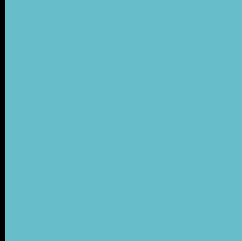
Large Text (above 18pt) WCAG AA × Fail

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 43.6500, 0.2452, 0.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

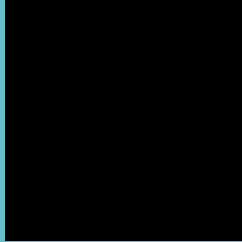
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6500, 0.2452, 0.3086

Background



This preview shows how black text looks on a background with the Yxy color 43.6500, 0.2452, 0.3086.



This preview shows how white text looks on a background with the Yxy color 43.6500, 0.2452, 0.3086.

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

43.6500, 0.2452, 0.3086

Protanopia

43.0514, 0.2959, 0.3026

Deuteranopia

42.9779, 0.2893, 0.2829



Tritanopia

43.6979, 0.2447, 0.3072

Trichromacy



Original Color

43.6500, 0.2452, 0.3086

Protanomaly

42.5673, 0.2744, 0.3041

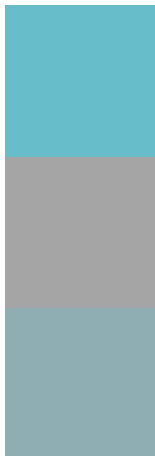
Deuteranomaly

42.7811, 0.2697, 0.2911

Tritanomaly

43.6979, 0.2447, 0.3072

Monochromacy



Original Color

43.6500, 0.2452, 0.3086

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.3664, 0.2827, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6500, 0.2452, 0.3086 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(104, 189, 203)` looks like.

```
.text, #text, p{  
    color:rgb(104, 189, 203)  
}
```

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(104, 189, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 189, 203) }
```

Border

The CSS property to change the border of an element to Yxy 43.6500, 0.2452, 0.3086 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(104, 189, 203) }
```

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

```
.border{ border-color:rgb(104, 189, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 189, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 189, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 189, 203);  
box-shadow:4px 4px 4px 4px rgb(104, 189,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6500, 0.2452, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 189, 203) }
```

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

```
.background{ background-color: rgb(104,  
189, 203) }
```

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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