

Converting Colors

$Yxy(41.6713, 0.2471, 0.3066)$

Have a look what the booklet for
Yxy(41.6713, 0.2471, 0.3066)
contains.

Yxy(41.5153, 0.2465, 0.3054)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.5153, 0.2465, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	6AB8C8
RGB	106, 184, 200
RGB Percent	42%, 72%, 78%
CMY	0.5845, 0.2784, 0.2155
CMYK	0.47, 0.08, 0.00, 0.22
HSL	190°, 46%, 60%
HSV	190°, 47%, 78%
XYZ	33.5086, 41.5153, 60.9136
YIQ	162.5020, -51.6240, -11.5600

Conversions

Conversions Part 2

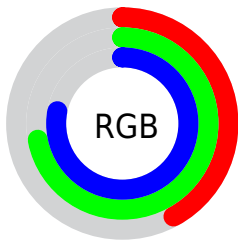
Format	Color
RYB	106, 149, 200
Decimal	6994120
CIELab	70.54, -19.78, -15.60
CIELCh	71, 25.190, 218.258
Yxy	41.5153, 0.2465, 0.3054
Android (android.graphics.Color)	4285184200 (0xFF6AB8C8)
YUV	162.5020, 18.4865, -49.5523
Hunter-Lab	64.4324, -19.9262, -10.9494

Details

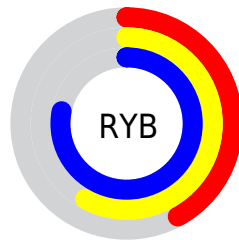
The Yxy color **41.5153, 0.2465, 0.3054** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.2394, 0.4294, 0.3504**, and the grayscale version is **36.3052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2216, 0.2591, 0.3120**, and **18.9123, 0.2281, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **39.0324, 0.2356, 0.2995**, and if you desaturate by 10%, it is **44.3213, 0.2589, 0.3111**.

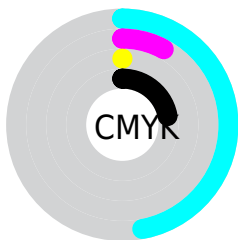
Distribution



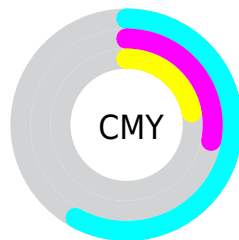
- Red (42%)
- Green (72%)
- Blue (78%)



- Red (42%)
- Yellow (58%)
- Blue (78%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (58%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5153, 0.2465, 0.3054 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 41.5153, 0.2465, 0.3054 by changing the saturation by 10% instead.

41.5153, 0.2465,
0.3054

41.5153, 0.2465,
0.3054

352.4697, 0.2794,
0.3181

28.7220, 0.2384,
0.3019

77.4655, 0.2584,
0.3102

18.8706, 0.2281,
0.2973

101.3912, 0.2629,
0.3120

11.5768, 0.2145,
0.2910

129.7964, 0.2667,
0.3135

6.4562, 0.1960,
0.2816

163.0656, 0.2699,
0.3147

3.1244, 0.1695,
0.2667

201.5831, 0.2728,
0.3157

1.1970, 0.1260,
0.2411

245.7334, 0.2753,

0.0593, 0.0000,

0.3167

0.0483

295.9008, 0.2775,
0.3174

0.0000, 0.0000,
0.0000

41.5153, 0.2465,
0.3054

41.5153, 0.2465,
0.3054

39.0324, 0.2356,
0.2995

44.3213, 0.2589,
0.3111

36.8474, 0.2264,
0.2935

47.4640, 0.2724,
0.3164

34.9389, 0.2192,
0.2873

50.9621, 0.2869,
0.3214

33.2800, 0.2138,
0.2812

54.8311, 0.3019,
0.3260

31.8344, 0.2102,
0.2752

59.0860, 0.3173,
0.3302

■ 31.4272, 0.2093,
0.2734

■ 63.7405, 0.3327,
0.3340

■ 68.8077, 0.3479,
0.3373

■ 72.1573, 0.3542,
0.3406

■ 73.8719, 0.3535,
0.3441

Harmonies

Analogous

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



41.5153, 0.2625, 0.3399



41.5153, 0.2465, 0.3054



41.5153, 0.2470, 0.2804

Triad

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



41.5153, 0.2465, 0.3054



41.5153, 0.3310, 0.2901



41.5153, 0.3617, 0.3918

Complementary

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



41.5153, 0.2465, 0.3054



27.2394, 0.4294, 0.3504

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.



41.5153, 0.3825, 0.3736



41.5153, 0.2465, 0.3054



41.5153, 0.3646, 0.3159

Square

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



41.5153, 0.2465, 0.3054



41.5153, 0.2939, 0.2735



41.5153, 0.3838, 0.3458



41.5153, 0.3283, 0.3926

Rectangle

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



41.5153, 0.2465, 0.3054



41.5153, 0.2565, 0.2715



41.5153, 0.3838, 0.3458



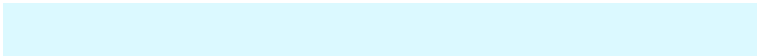
41.5153, 0.3704, 0.3873

Sweetspot

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



41.5169, 0.2465, 0.3054



90.0266, 0.2911, 0.3228



45.7837, 0.2967, 0.4514



18.9657, 0.2879, 0.3217



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.



41.5169, 0.2465, 0.3054



67.6438, 0.2358, 0.2997



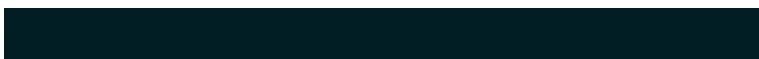
25.2140, 0.2331, 0.2318



11.7481, 0.2984, 0.3250



20.0889, 0.2095, 0.2743



1.0348, 0.2130, 0.2868

Inverse Universe

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



26.0439, 0.3358, 0.2324



38.6433, 0.3420, 0.2151



41.5799, 0.3990, 0.4091



10.7844, 0.3163, 0.3100



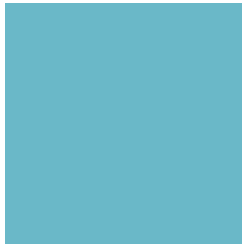
9.5680, 0.3688, 0.1805



0.4615, 0.3572, 0.1741

Previews

White Background



This preview shows how the Yxy color 41.5153, 0.2465, 0.3054 looks on a white background.

Color Contrast Check

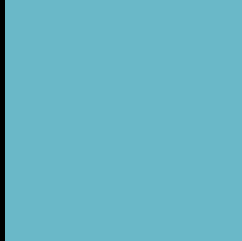
Large Text (above 18pt) WCAG AA × Fail

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 41.5153, 0.2465, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

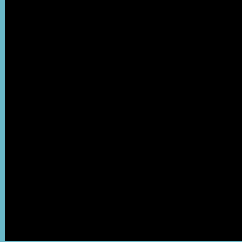
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5153, 0.2465, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 41.5153, 0.2465, 0.3054.



This preview shows how white text looks on a background with the Yxy color 41.5153, 0.2465, 0.3054.

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

41.5153, 0.2465, 0.3054

Protanopia

40.9461, 0.2948, 0.3007

Deuteranopia

41.2491, 0.2881, 0.2820



Tritanopia

41.4687, 0.2471, 0.3069

Trichromacy



Original Color

41.5153, 0.2465, 0.3054

Protanomaly

40.6660, 0.2744, 0.3023

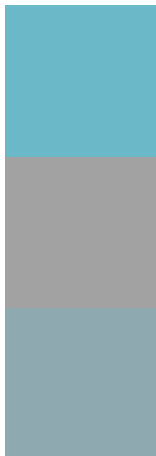
Deuteranomaly

40.9735, 0.2704, 0.2892

Tritanomaly

41.4687, 0.2471, 0.3069

Monochromacy



Original Color

41.5153, 0.2465, 0.3054

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.6348, 0.2838, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5153, 0.2465, 0.3054 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, 184, 200)` looks like.

```
.text, #text, p{  
    color:rgb(106, 184, 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(106, 184, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 184, 200) }
```

Border

The CSS property to change the border of an element to Yxy 41.5153, 0.2465, 0.3054 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, 184, 200) }
```

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

```
.border{ border-color:rgb(106, 184, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 184, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 184, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 184, 200);  
box-shadow:4px 4px 4px 4px rgb(106, 184,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5153, 0.2465, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 184, 200) }
```

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

```
.background{ background-color: rgb(106,  
184, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor