

Converting Colors

$Y_{xy}(53.2120, 0.2749, 0.3117)$

Have a look what the booklet for
Yxy(53.2120, 0.2749, 0.3117)
contains.

Yxy(53.1245, 0.2748, 0.3111)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.1245, 0.2748, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	A0C7D5
RGB	160, 199, 213
RGB Percent	63%, 78%, 84%
CMY	0.3726, 0.2196, 0.1648
CMYK	0.25, 0.07, 0.00, 0.16
HSL	196°, 39%, 73%
HSV	196°, 25%, 84%
XYZ	46.9258, 53.1245, 70.7131
YIQ	188.9350, -27.7380, -3.9140

Conversions

Conversions Part 2

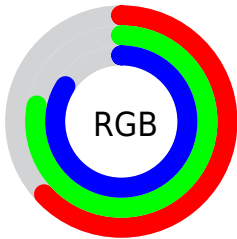
Format	Color
RYB	160, 182, 213
Decimal	10536917
CIELab	77.95, -9.77, -11.22
CIELCh	78, 14.877, 228.945
Yxy	53.1245, 0.2748, 0.3111
Android (android.graphics.Color)	4288726997 (0xFFA0C7D5)
YUV	188.9350, 11.8640, -25.3760
Hunter-Lab	72.8866, -12.6297, -6.5014

Details

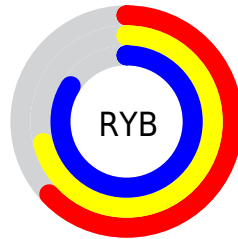
The Yxy color **53.1245, 0.2748, 0.3111** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.9329, 0.3607, 0.3462**, and the grayscale version is **50.7916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **25.8452, 0.2650, 0.3064** is the 20% darker color. If you saturate the color by 10%, you get **48.5812, 0.2603, 0.3028**, and if you desaturate by 10%, it is **58.1433, 0.2899, 0.3188**.

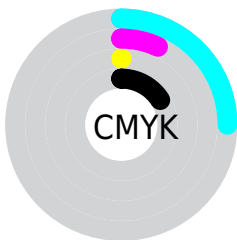
Distribution



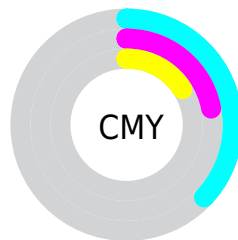
- Red (63%)
- Green (78%)
- Blue (84%)



- Red (63%)
- Yellow (71%)
- Blue (84%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (37%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1245, 0.2748, 0.3111 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 53.1245, 0.2748, 0.3111 by changing the saturation by 10% instead.

■ 53.1245, 0.2748,
0.3111

■ 53.1245, 0.2748,
0.3111

■ 398.7626, 0.2931,
0.3201

■ 37.9022, 0.2704,
0.3089

■ 94.7875, 0.2813,
0.3144

■ 25.9068, 0.2649,
0.3060

■ 121.9970, 0.2838,
0.3156

■ 16.7539, 0.2578,
0.3022

■ 153.9711, 0.2859,
0.3166

■ 10.0592, 0.2481,
0.2969

■ 191.0940, 0.2877,
0.3175

■ 5.4382, 0.2345,
0.2892

■ 233.7502, 0.2893,
0.3183

■ 2.5066, 0.2137,
0.2766

■ 282.3241, 0.2908,

■ 0.8799, 0.1734,

0.3190

0.2552

337.2001, 0.2920,
0.3195

0.0000, 0.0000,
0.0000

53.1245, 0.2748,
0.3111

53.1245, 0.2748,
0.3111

48.5812, 0.2603,
0.3028

58.1433, 0.2899,
0.3188

44.4868, 0.2466,
0.2939

63.6501, 0.3052,
0.3258

40.8216, 0.2342,
0.2845

69.6645, 0.3205,
0.3322

37.5615, 0.2234,
0.2748

76.2032, 0.3356,
0.3378

34.6796, 0.2143,
0.2650

81.0405, 0.3420,
0.3433

■ 32.1447, 0.2073,
0.2551

■ 84.1623, 0.3411,
0.3488

■ 29.9191, 0.2022,
0.2453

■ 87.3850, 0.3402,
0.3543

■ 28.8658, 0.2001,
0.2403

■ 90.7098, 0.3393,
0.3597

■ 94.1373, 0.3384,
0.3650

Harmonies

Analogous

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



53.1245, 0.2808, 0.3285



53.1245, 0.2748, 0.3111



53.1245, 0.2785, 0.2993

Triad

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



53.1245, 0.2748, 0.3111



53.1245, 0.3299, 0.3121



53.1245, 0.3339, 0.3642

Complementary

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



53.1245, 0.2748, 0.3111



46.9329, 0.3607, 0.3462

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.



53.1245, 0.3478, 0.3583



53.1245, 0.2748, 0.3111



53.1245, 0.3456, 0.3282

Square

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



53.1245, 0.2748, 0.3111



53.1245, 0.3098, 0.3003



53.1245, 0.3522, 0.3450



53.1245, 0.3146, 0.3601

Rectangle

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



53.1245, 0.2748, 0.3111



53.1245, 0.2861, 0.2959



53.1245, 0.3522, 0.3450



53.1245, 0.3394, 0.3633

Sweetspot

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



53.1266, 0.2748, 0.3111



93.8057, 0.3019, 0.3243



58.0737, 0.3009, 0.3811



19.9678, 0.3009, 0.3239



0.0000, 0.0000, 0.0000



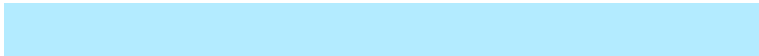
21.4041, 0.3127, 0.3290

Same Dimension

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



53.1266, 0.2748, 0.3111



76.0695, 0.2668, 0.3067



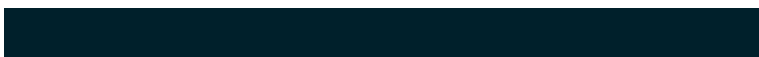
42.2520, 0.2718, 0.2768



13.5283, 0.2982, 0.3227



17.8119, 0.2005, 0.2417



1.2060, 0.2052, 0.2585

Inverse Universe

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



43.4034, 0.3278, 0.2828



59.2891, 0.3319, 0.2724



57.8620, 0.3535, 0.3763



12.5742, 0.3178, 0.3120



10.1430, 0.4006, 0.1980



0.6251, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 53.1245, 0.2748, 0.3111 looks on a white background.

Color Contrast Check

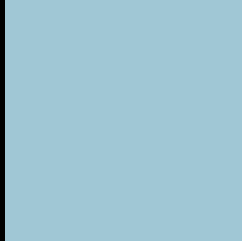
Large Text (above 18pt) WCAG AA × Fail

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 53.1245, 0.2748, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

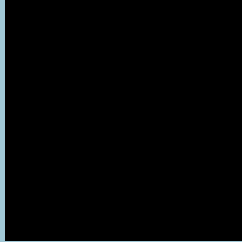
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

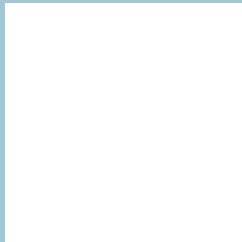
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1245, 0.2748, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 53.1245, 0.2748, 0.3111.



This preview shows how white text looks on a background with the Yxy color 53.1245, 0.2748, 0.3111.

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

53.1245, 0.2748, 0.3111

Protanopia

52.8920, 0.3002, 0.3083

Deuteranopia

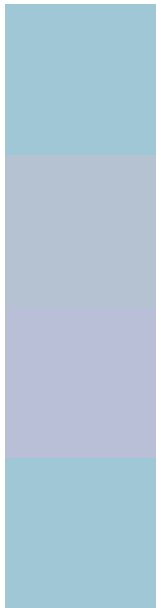
52.7263, 0.3022, 0.2959



Tritanopia

53.2267, 0.2736, 0.3086

Trichromacy



Original Color

53.1245, 0.2748, 0.3111

Protanomaly

52.9400, 0.2905, 0.3091

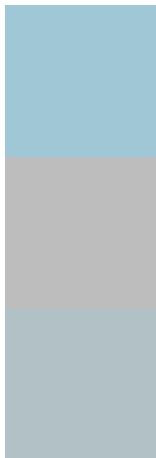
Deuteranomaly

52.4309, 0.2914, 0.3009

Tritanomaly

53.1755, 0.2742, 0.3098

Monochromacy



Original Color

53.1245, 0.2748, 0.3111

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.6821, 0.2973, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1245, 0.2748, 0.3111 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(160, 199, 213)` looks like.

```
.text, #text, p{  
    color:rgb(160, 199, 213)  
}
```

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(160, 199, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 199, 213) }
```

Border

The CSS property to change the border of an element to Yxy 53.1245, 0.2748, 0.3111 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(160, 199, 213) }
```

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

```
.border{ border-color:rgb(160, 199, 213) }
```

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

Here you see how a box with a 4 pixel rgb(160, 199, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 199, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 199, 213);  
box-shadow:4px 4px 4px 4px rgb(160, 199,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1245, 0.2748, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 199, 213) }
```

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

```
.background{ background-color: rgb(160,  
199, 213) }
```

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