

Converting Colors

$Yxy(42.6311, 0.2577, 0.3144)$

Have a look what the booklet for
Yxy(42.6311, 0.2577, 0.3144)
contains.

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Color

Yxy(42.6311, 0.2577, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	78B9C3
RGB	120, 185, 195
RGB Percent	47%, 73%, 76%
CMY	0.5295, 0.2745, 0.2353
CMYK	0.38, 0.05, 0.00, 0.24
HSL	188°, 38%, 62%
HSV	188°, 38%, 76%
XYZ	34.9429, 42.6311, 58.0211
YIQ	166.7050, -41.9500, -10.6700

Conversions

Conversions Part 2

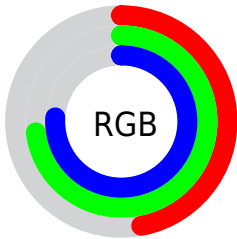
Format	Color
R _Y B	120, 155, 195
Decimal	7911875
CIE Lab	71.30, -18.12, -11.62
CIE LCh	71, 21.529, 212.671
Yxy	42.6311, 0.2577, 0.3144
Android (android.graphics.Color)	4286101955 (0xFF78B9C3)
YUV	166.7050, 13.9494, -40.9603
Hunter-Lab	65.2925, -18.7333, -6.9824

Details

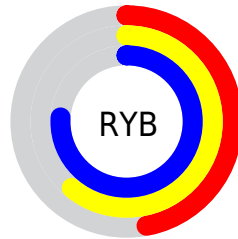
The Yxy color **42.6311, 0.2577, 0.3144** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9180, 0.4016, 0.3428**, and the grayscale version is **38.4373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0528, 0.2673, 0.3167**, and **19.5839, 0.2427, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **40.3002, 0.2459, 0.3100**, and if you desaturate by 10%, it is **45.2692, 0.2708, 0.3186**.

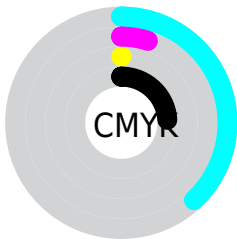
Distribution



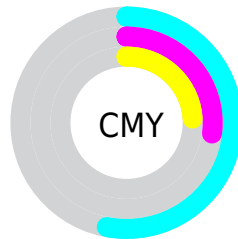
- Red (47%)
- Green (73%)
- Blue (76%)



- Red (47%)
- Yellow (61%)
- Blue (76%)



- Cyan (38%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)





- Cyan (53%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6311, 0.2577, 0.3144 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 42.6311, 0.2577, 0.3144 by changing the saturation by 10% instead.


 42.6311, 0.2577,
0.3144


 42.6311, 0.2577,
0.3144


357.0925, 0.2851,
0.3223


 29.5958, 0.2509,
0.3122


 79.1539, 0.2676,
0.3174

 19.5320, 0.2423,
0.3093

 103.4101, 0.2714,
0.3185

 12.0553, 0.2308,
0.3052


 132.1755, 0.2745,
0.3194

 6.7813, 0.2151,
0.2992

165.8343, 0.2772,
0.3202

 3.3257, 0.1921,
0.2893

204.7710, 0.2796,
0.3209

 1.3041, 0.1555,
0.2715

249.3700, 0.2817,

 0.1443, 0.0000,

0.3214

0.1296

300.0157, 0.2835,
0.3219

0.0000, 0.0000,
0.0000

42.6311, 0.2577,
0.3144

42.6311, 0.2577,
0.3144

40.3002, 0.2459,
0.3100

45.2692, 0.2708,
0.3186

38.2539, 0.2357,
0.3054

48.2253, 0.2849,
0.3225

36.4746, 0.2273,
0.3008

51.5161, 0.2998,
0.3262

34.9403, 0.2208,
0.2961

55.1553, 0.3151,
0.3295

33.6254, 0.2162,
0.2914

59.1560, 0.3305,
0.3325

■ 32.4887, 0.2132,
0.2868

■ 63.5305, 0.3459,
0.3352

■ 32.3220, 0.2128,
0.2861

■ 68.0083, 0.3599,
0.3376

■ 69.2480, 0.3593,
0.3403

■ 70.5084, 0.3587,
0.3429

Harmonies

Analogous

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



42.6311, 0.2740, 0.3439



42.6311, 0.2577, 0.3144



42.6311, 0.2554, 0.2910

Triad

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



42.6311, 0.2577, 0.3144



42.6311, 0.3224, 0.2923



42.6311, 0.3587, 0.3804

Complementary

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



42.6311, 0.2577, 0.3144



28.9180, 0.4016, 0.3428

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.



42.6311, 0.3734, 0.3634



42.6311, 0.2577, 0.3144



42.6311, 0.3520, 0.3135

Square

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



42.6311, 0.2577, 0.3144



42.6311, 0.2915, 0.2799



42.6311, 0.3710, 0.3390



42.6311, 0.3320, 0.3837

Rectangle

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



42.6311, 0.2577, 0.3144



42.6311, 0.2619, 0.2816



42.6311, 0.3710, 0.3390



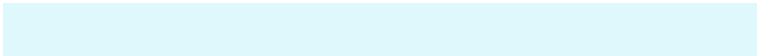
42.6311, 0.3653, 0.3760

Sweetspot

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



42.6328, 0.2577, 0.3144



89.9995, 0.2942, 0.3248



44.6033, 0.3016, 0.4312



19.5358, 0.2922, 0.3244



0.0000, 0.0000, 0.0000



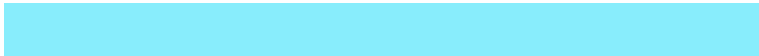
21.4041, 0.3127, 0.3290

Same Dimension

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



42.6328, 0.2577, 0.3144



72.8696, 0.2479, 0.3108



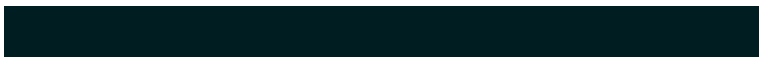
29.3441, 0.2494, 0.2586



11.1920, 0.2984, 0.3258



21.0945, 0.2130, 0.2867



0.9763, 0.2159, 0.2970

Inverse Universe

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



28.5335, 0.3276, 0.2461



44.5917, 0.3316, 0.2295



40.3208, 0.3829, 0.3901



10.2237, 0.3158, 0.3093



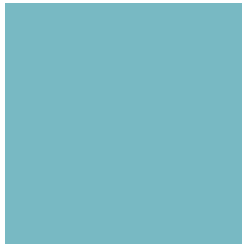
9.4117, 0.3573, 0.1742



0.4132, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 42.6311, 0.2577, 0.3144 looks on a white background.

Color Contrast Check

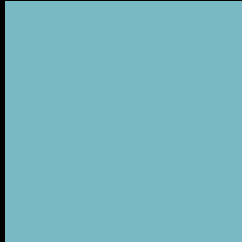
Large Text (above 18pt) WCAG AA × Fail

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 42.6311, 0.2577, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

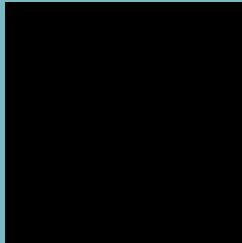
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

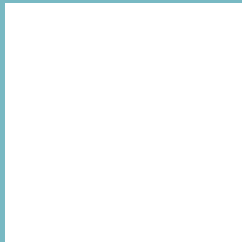
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6311, 0.2577, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 42.6311, 0.2577, 0.3144.

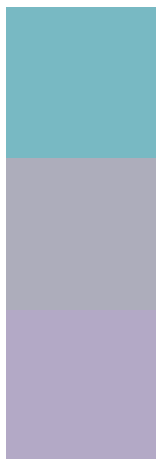


This preview shows how white text looks on a background with the Yxy color 42.6311, 0.2577, 0.3144.

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

42.6311, 0.2577, 0.3144

Protanopia

42.3592, 0.3014, 0.3103

Deuteranopia

42.0369, 0.2978, 0.2913



Tritanopia

42.4694, 0.2557, 0.3074

Trichromacy



Original Color

42.6311, 0.2577, 0.3144

Protanomaly

42.0320, 0.2836, 0.3109

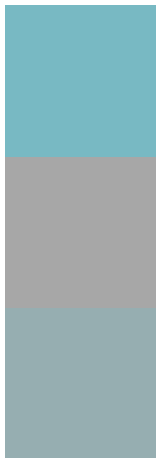
Deuteranomaly

41.9603, 0.2816, 0.2991

Tritanomaly

42.4231, 0.2563, 0.3088

Monochromacy



Original Color

42.6311, 0.2577, 0.3144

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.9305, 0.2898, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6311, 0.2577, 0.3144 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(120, 185, 195)` looks like.

```
.text, #text, p{  
    color:rgb(120, 185, 195)  
}
```

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(120, 185, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 185, 195) }
```

Border

The CSS property to change the border of an element to Yxy 42.6311, 0.2577, 0.3144 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(120, 185, 195) }
```

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

```
.border{ border-color:rgb(120, 185, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 185, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 185, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 185, 195);  
box-shadow:4px 4px 4px 4px rgb(120, 185,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6311, 0.2577, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 185, 195) }
```

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

```
.background{ background-color: rgb(120,  
185, 195) }
```

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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