

Converting Colors

$Yxy(41.9969, 0.2610, 0.3083)$

Have a look what the booklet for
Yxy(41.9969, 0.2610, 0.3083)
contains.

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Color

Yxy(42.0306, 0.2616, 0.3089)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 80B6C4 |
| RGB | 128, 182, 196 |
| RGB Percent | 50%, 71%, 77% |
| CMY | 0.4979, 0.2863, 0.2315 |
| CMYK | 0.35, 0.07, 0.00, 0.23 |
| HSL | 192°, 37%, 64% |
| HSV | 192°, 35%, 77% |
| XYZ | 35.5947, 42.0306, 58.4401 |
| YIQ | 167.4500, -36.6780, -7.0940 |

Conversions

Conversions Part 2

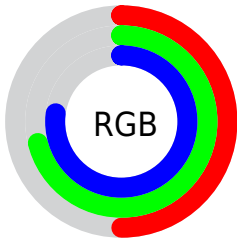
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 128, 158, 196 |
| Decimal | 8435396 |
| CIE Lab | 70.89, -14.13, -12.72 |
| CIE LCh | 71, 19.016, 221.989 |
| Yxy | 42.0306, 0.2616, 0.3089 |
| Android (android.graphics.Color) | 4286625476 (0xFF80B6C4) |
| YUV | 167.4500, 14.0752, -34.5976 |
| Hunter-Lab | 64.8310, -15.4509, -8.0636 |

Details

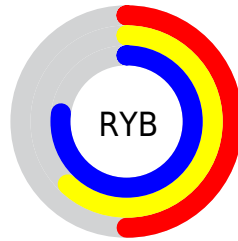
The Yxy color **42.0306, 0.2616, 0.3089** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.6383, 0.3873, 0.3480**, and the grayscale version is **38.8216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3082, 0.2707, 0.3125**, and **19.1494, 0.2472, 0.3028** is the 20% darker color. If you saturate the color by 10%, you get **39.0293, 0.2486, 0.3021**, and if you desaturate by 10%, it is **45.3762, 0.2757, 0.3153**.

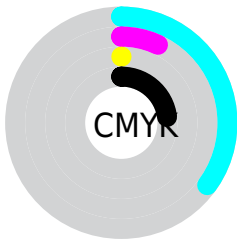
Distribution



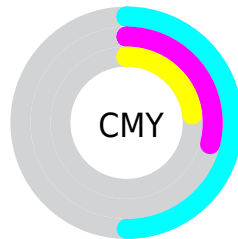
- Red (50%)
- Green (71%)
- Blue (77%)



- Red (50%)
- Yellow (62%)
- Blue (77%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)





- Cyan (50%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0306, 0.2616, 0.3089 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 42.0306, 0.2616, 0.3089 by changing the saturation by 10% instead.


 42.0306, 0.2616,
0.3089

 42.0306, 0.2616,
0.3089


354.6098, 0.2871,
0.3195


 29.1253, 0.2553,
0.3061


 78.2459, 0.2709,
0.3129

 19.1756, 0.2471,
0.3023


 102.3247, 0.2743,
0.3144

 11.7972, 0.2364,
0.2972


 130.8968, 0.2773,
0.3156

 6.6058, 0.2215,
0.2896

164.3465, 0.2798,
0.3166

 3.2168, 0.1997,
0.2777

203.0582, 0.2820,
0.3175

 1.2459, 0.1650,
0.2566

247.4164, 0.2839,

 0.0988, 0.0000,

0.3183

0.0901

297.8055, 0.2856,
0.3190

0.0000, 0.0000,
0.0000

42.0306, 0.2616,
0.3089

42.0306, 0.2616,
0.3089

39.0293, 0.2486,
0.3021

45.3762, 0.2757,
0.3153

36.3500, 0.2369,
0.2950

49.0770, 0.2904,
0.3212

33.9753, 0.2268,
0.2876

53.1497, 0.3056,
0.3266

31.8837, 0.2186,
0.2802

57.6082, 0.3209,
0.3316

30.0505, 0.2122,
0.2727

62.4657, 0.3361,
0.3360

■ 28.4459, 0.2078,
0.2652

■ 67.7346, 0.3510,
0.3399

■ 27.6522, 0.2059,
0.2613

■ 71.4377, 0.3575,
0.3438

■ 73.4549, 0.3566,
0.3478

■ 75.5225, 0.3557,
0.3519

Harmonies

Analogous

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



42.0306, 0.2726, 0.3341



42.0306, 0.2616, 0.3089



42.0306, 0.2636, 0.2908

Triad

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



42.0306, 0.2616, 0.3089



42.0306, 0.3301, 0.3015



42.0306, 0.3471, 0.3770

Complementary

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



42.0306, 0.2616, 0.3089



32.6383, 0.3873, 0.3480

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.



42.0306, 0.3640, 0.3655



42.0306, 0.2616, 0.3089



42.0306, 0.3541, 0.3221

Square

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



42.0306, 0.2616, 0.3089



42.0306, 0.3021, 0.2876



42.0306, 0.3667, 0.3452



42.0306, 0.3214, 0.3751

Rectangle

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



42.0306, 0.2616, 0.3089



42.0306, 0.2720, 0.2846



42.0306, 0.3667, 0.3452



42.0306, 0.3541, 0.3745

Sweetspot

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



42.0323, 0.2616, 0.3089



92.1808, 0.2972, 0.3237



45.9984, 0.2989, 0.4105



19.5075, 0.2951, 0.3229



0.0000, 0.0000, 0.0000



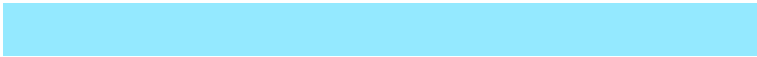
21.4041, 0.3127, 0.3290

Same Dimension

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



42.0323, 0.2616, 0.3089



71.7733, 0.2511, 0.3035



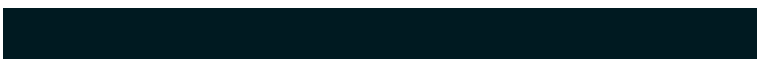
29.8873, 0.2549, 0.2580



11.0654, 0.2984, 0.3242



17.9004, 0.2062, 0.2623



0.8643, 0.2108, 0.2788

Inverse Universe

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



30.5573, 0.3310, 0.2599



48.2905, 0.3365, 0.2443



44.1801, 0.3725, 0.3909



10.2109, 0.3168, 0.3109



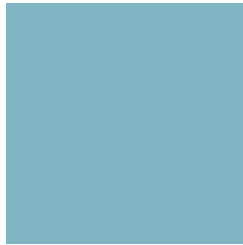
9.0893, 0.3802, 0.1868



0.4019, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 42.0306, 0.2616, 0.3089 looks on a white background.

Color Contrast Check

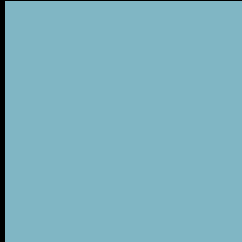
Large Text (above 18pt) WCAG AA × Fail

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 42.0306, 0.2616, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

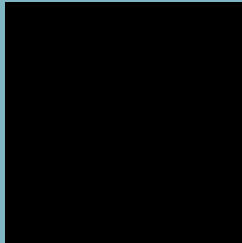
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0306, 0.2616, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 42.0306, 0.2616, 0.3089.



This preview shows how white text looks on a background with the Yxy color 42.0306, 0.2616, 0.3089.

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

42.0306, 0.2616, 0.3089

Protanopia

41.8371, 0.2981, 0.3062

Deuteranopia

41.8466, 0.2953, 0.2899



Tritanopia

42.0763, 0.2609, 0.3075

Trichromacy



Original Color

42.0306, 0.2616, 0.3089

Protanomaly

41.8250, 0.2829, 0.3069

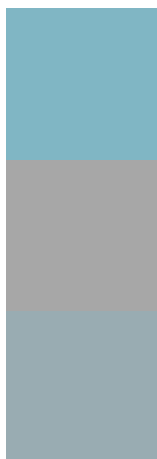
Deuteranomaly

41.7202, 0.2816, 0.2964

Tritanomaly

42.0763, 0.2609, 0.3075

Monochromacy



Original Color

42.0306, 0.2616, 0.3089

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.4917, 0.2914, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0306, 0.2616, 0.3089 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(128, 182, 196)` looks like.

```
.text, #text, p{  
    color:rgb(128, 182, 196)  
}
```

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(128, 182, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 182, 196) }
```

Border

The CSS property to change the border of an element to Yxy 42.0306, 0.2616, 0.3089 is called "border". The border property can be set on classes, ids or directly on the HTML element.

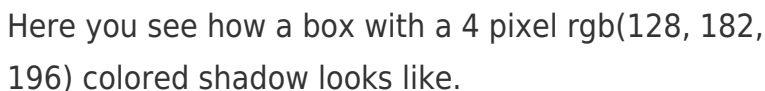
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 182, 196) }
```

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

```
.border{ border-color:rgb(128, 182, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 182, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 182, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 182, 196); box-shadow:4px 4px 4px 4px rgb(128, 182, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0306, 0.2616, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 182, 196) }
```

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

```
.background{ background-color: rgb(128,  
182, 196) }
```

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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