

Converting Colors

$Y_{xy}(42.1546, 0.2662, 0.3036)$

Have a look what the booklet for
Yxy(42.1546, 0.2662, 0.3036)
contains.

Yxy(42.0381, 0.2660, 0.3036)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.0381, 0.2660, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	89B4C6
RGB	137, 180, 198
RGB Percent	54%, 71%, 78%
CMY	0.4627, 0.2941, 0.2235
CMYK	0.31, 0.09, 0.00, 0.22
HSL	198°, 35%, 66%
HSV	198°, 31%, 78%
XYZ	36.8318, 42.0381, 59.5955
YIQ	169.1950, -31.4060, -3.5180

Conversions

Conversions Part 2

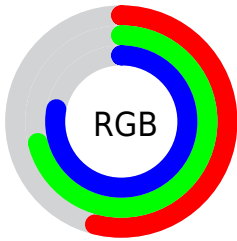
Format	Color
RYB	137, 162, 198
Decimal	9024710
CIELab	70.90, -10.03, -13.78
CIElCh	71, 17.040, 233.948
Yxy	42.0381, 0.2660, 0.3036
Android (android.graphics.Color)	4287214790 (0xFF89B4C6)
YUV	169.1950, 14.2009, -28.2350
Hunter-Lab	64.8368, -12.0640, -9.1114

Details

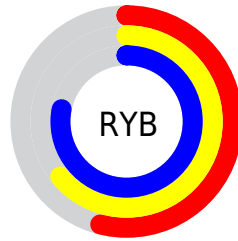
The Yxy color **42.0381, 0.2660, 0.3036** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2574, 0.3744, 0.3529**, and the grayscale version is **39.7197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4174, 0.2745, 0.3084**, and **19.1237, 0.2530, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **38.2075, 0.2517, 0.2939**, and if you desaturate by 10%, it is **46.2785, 0.2809, 0.3126**.

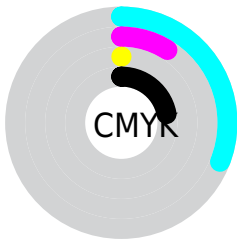
Distribution



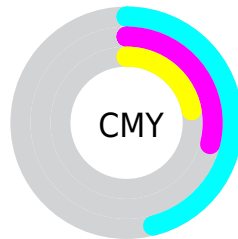
- Red (54%)
- Green (71%)
- Blue (78%)



- Red (54%)
- Yellow (64%)
- Blue (78%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)



- Cyan (46%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0381, 0.2660, 0.3036 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 42.0381, 0.2660, 0.3036 by changing the saturation by 10% instead.

■ 42.0381, 0.2660,
0.3036

■ 42.0381, 0.2660,
0.3036

■ 354.6409, 0.2894,
0.3168

■ 29.1311, 0.2602,
0.3002

■ 78.2573, 0.2745,
0.3085

■ 19.1800, 0.2527,
0.2957

■ 102.3383, 0.2777,
0.3103

■ 11.8004, 0.2428,
0.2896

■ 130.9127, 0.2804,
0.3118

■ 6.6079, 0.2291,
0.2808

■ 164.3651, 0.2827,
0.3131

■ 3.2181, 0.2089,
0.2672

■ 203.0797, 0.2847,
0.3142

■ 1.2467, 0.1767,
0.2439

■ 247.4409, 0.2865,

■ 0.0993, 0.0000,

0.3152

0.0846

297.8331, 0.2880,
0.3160

0.0000, 0.0000,
0.0000

42.0381, 0.2660,
0.3036

42.0381, 0.2660,
0.3036

38.2075, 0.2517,
0.2939

46.2785, 0.2809,
0.3126

34.7637, 0.2384,
0.2836

50.9405, 0.2962,
0.3209

31.6886, 0.2265,
0.2728

56.0414, 0.3115,
0.3284

28.9606, 0.2162,
0.2618

61.5958, 0.3266,
0.3352

26.5549, 0.2078,
0.2506

67.6178, 0.3413,
0.3412

■ 24.4424, 0.2015,
0.2395

■ 73.9664, 0.3549,
0.3466

■ 22.7082, 0.1971,
0.2294

■ 76.9962, 0.3536,
0.3524

■ 80.1334, 0.3524,
0.3582

■ 83.3791, 0.3512,
0.3639

Harmonies

Analogous

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



42.0381, 0.2714, 0.3243



42.0381, 0.2660, 0.3036



42.0381, 0.2725, 0.2908

Triad

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



42.0381, 0.2660, 0.3036



42.0381, 0.3377, 0.3112



42.0381, 0.3351, 0.3728

Complementary

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



42.0381, 0.2660, 0.3036



37.2574, 0.3744, 0.3529

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.



42.0381, 0.3540, 0.3671



42.0381, 0.2660, 0.3036



42.0381, 0.3558, 0.3312

Square

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



42.0381, 0.2660, 0.3036



42.0381, 0.3132, 0.2957



42.0381, 0.3618, 0.3516



42.0381, 0.3107, 0.3658

Rectangle

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



42.0381, 0.2660, 0.3036



42.0381, 0.2828, 0.2880



42.0381, 0.3618, 0.3516



42.0381, 0.3423, 0.3723

Sweetspot

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



42.0398, 0.2660, 0.3036



91.6592, 0.2987, 0.3222



48.0486, 0.2970, 0.3923



19.3435, 0.2965, 0.3211



0.0000, 0.0000, 0.0000



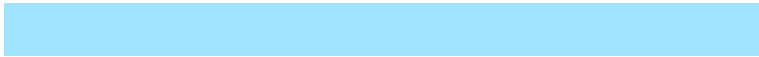
21.4041, 0.3127, 0.3290

Same Dimension

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



42.0398, 0.2660, 0.3036



69.7862, 0.2563, 0.2971



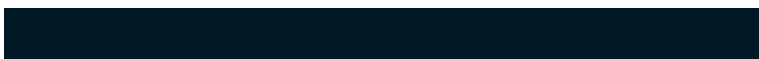
31.2820, 0.2609, 0.2595



11.5185, 0.2984, 0.3220



14.9229, 0.1975, 0.2309



0.8279, 0.2038, 0.2537

Inverse Universe

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



33.1961, 0.3341, 0.2741



52.1824, 0.3403, 0.2619



48.4189, 0.3633, 0.3899



10.7612, 0.3182, 0.3129



9.0465, 0.4117, 0.2042



0.4406, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 42.0381, 0.2660, 0.3036 looks on a white background.

Color Contrast Check

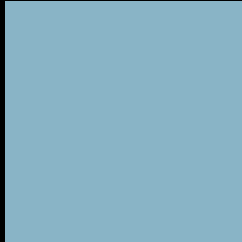
Large Text (above 18pt) WCAG AA × Fail

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 42.0381, 0.2660, 0.3036 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

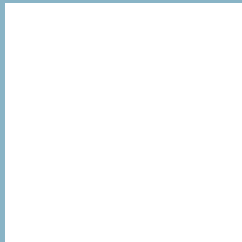
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0381, 0.2660, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 42.0381, 0.2660, 0.3036.



This preview shows how white text looks on a background with the Yxy color 42.0381, 0.2660, 0.3036.

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

42.0381, 0.2660, 0.3036

Protanopia

41.9014, 0.2941, 0.3009

Deuteranopia

41.8932, 0.2946, 0.2887



Tritanopia

41.8169, 0.2672, 0.3076

Trichromacy



Original Color

42.0381, 0.2660, 0.3036

Protanomaly

41.8692, 0.2830, 0.3017

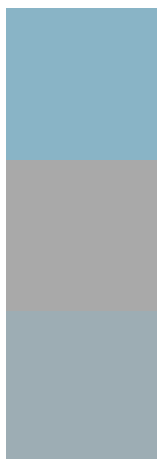
Deuteranomaly

41.6920, 0.2831, 0.2940

Tritanomaly

41.8623, 0.2666, 0.3063

Monochromacy



Original Color

42.0381, 0.2660, 0.3036

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.3505, 0.2933, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0381, 0.2660, 0.3036 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(137, 180, 198)` looks like.

```
.text, #text, p{  
    color:rgb(137, 180, 198)  
}
```

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(137, 180, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 180, 198) }
```

Border

The CSS property to change the border of an element to Yxy 42.0381, 0.2660, 0.3036 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(137, 180, 198) }
```

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

```
.border{ border-color:rgb(137, 180, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 180, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 180, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 180, 198);  
box-shadow:4px 4px 4px 4px rgb(137, 180,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0381, 0.2660, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 180, 198) }
```

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

```
.background{ background-color: rgb(137,  
180, 198) }
```

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