

Converting Colors

$Y_{xy}(48.5041, 0.2601, 0.3052)$

Have a look what the booklet for
Yxy(48.5041, 0.2601, 0.3052)
contains.

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Color

Yxy(48.6051, 0.2605, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	89C2D3
RGB	137, 194, 211
RGB Percent	54%, 76%, 83%
CMY	0.4627, 0.2392, 0.1726
CMYK	0.35, 0.08, 0.00, 0.17
HSL	194°, 46%, 68%
HSV	194°, 35%, 83%
XYZ	41.3644, 48.6051, 68.8189
YIQ	178.8950, -39.4290, -6.7970

Conversions

Conversions Part 2

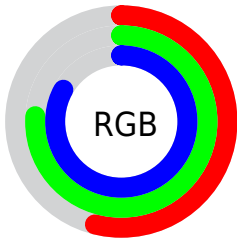
Format	Color
RYB	137, 169, 211
Decimal	9028307
CIELab	75.20, -14.22, -14.39
CIElCh	75, 20.228, 225.340
Yxy	48.6051, 0.2605, 0.3061
Android (android.graphics.Color)	4287218387 (0xFF89C2D3)
YUV	178.8950, 15.8278, -36.7419
Hunter-Lab	69.7174, -16.0987, -9.7237

Details

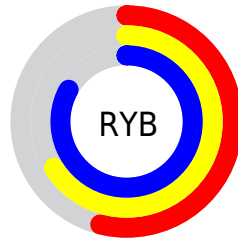
The Yxy color **48.6051, 0.2605, 0.3061** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7577, 0.3882, 0.3505**, and the grayscale version is **44.9510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5518, 0.2764, 0.3247**, and **22.9955, 0.2466, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **44.8744, 0.2472, 0.2984**, and if you desaturate by 10%, it is **52.7585, 0.2748, 0.3133**.

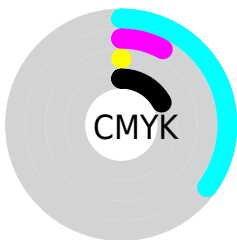
Distribution



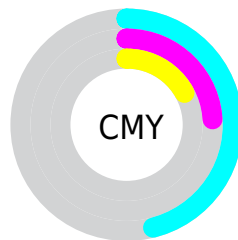
- Red (54%)
- Green (76%)
- Blue (83%)



- Red (54%)
- Yellow (66%)
- Blue (83%)



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (46%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6051, 0.2605, 0.3061 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 48.6051, 0.2605, 0.3061 by changing the saturation by 10% instead.

■ 48.6051, 0.2605,
0.3061

■ 48.6051, 0.2605,
0.3061

■ 381.1856, 0.2859,
0.3179

■ 34.3063, 0.2544,
0.3031

■ 88.1047, 0.2696,
0.3104

■ 23.1290, 0.2466,
0.2992

■ 114.0742, 0.2730,
0.3121

■ 14.6888, 0.2366,
0.2939

■ 144.7029, 0.2760,
0.3134

■ 8.6013, 0.2230,
0.2865

■ 180.3749, 0.2785,
0.3146

■ 4.4820, 0.2037,
0.2752

■ 221.4748, 0.2807,
0.3156

■ 1.9467, 0.1745,
0.2566

■ 268.3870, 0.2827,

■ 0.5762, 0.0779,

0.3164

0.2236

321.4958, 0.2844,
0.3172

0.0000, 0.0000,
0.0000

48.6051, 0.2605,
0.3061

48.6051, 0.2605,
0.3061

44.8744, 0.2472,
0.2984

52.7585, 0.2748,
0.3133

41.5395, 0.2353,
0.2904

57.3483, 0.2897,
0.3200

38.5793, 0.2250,
0.2820

62.3943, 0.3049,
0.3261

35.9676, 0.2165,
0.2735

67.9137, 0.3203,
0.3317

33.6744, 0.2099,
0.2650

73.9222, 0.3355,
0.3366

■ 31.6629, 0.2053,
0.2566

■ 78.7690, 0.3440,
0.3413

■ 30.7421, 0.2035,
0.2525

■ 81.3945, 0.3432,
0.3461

■ 84.0946, 0.3424,
0.3509

■ 86.8699, 0.3416,
0.3556

Harmonies

Analogous

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



48.6051, 0.2702, 0.3312



48.6051, 0.2605, 0.3061



48.6051, 0.2640, 0.2889

Triad

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



48.6051, 0.2605, 0.3061



48.6051, 0.3334, 0.3032



48.6051, 0.3450, 0.3782

Complementary

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



48.6051, 0.2605, 0.3061



38.7577, 0.3882, 0.3505

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.



48.6051, 0.3634, 0.3678



48.6051, 0.2605, 0.3061



48.6051, 0.3568, 0.3246

Square

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



48.6051, 0.2605, 0.3061



48.6051, 0.3051, 0.2882



48.6051, 0.3679, 0.3480



48.6051, 0.3184, 0.3746

Rectangle

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



48.6051, 0.2605, 0.3061



48.6051, 0.2734, 0.2835



48.6051, 0.3679, 0.3480



48.6051, 0.3524, 0.3761

Sweetspot

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



48.6070, 0.2605, 0.3061



91.0240, 0.2957, 0.3225



54.2005, 0.2980, 0.4103



19.2592, 0.2936, 0.3216



0.0000, 0.0000, 0.0000



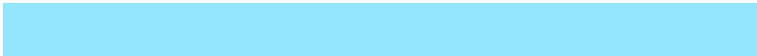
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6070, 0.2605, 0.3061



70.3345, 0.2506, 0.3005



34.4622, 0.2536, 0.2549



12.9278, 0.2983, 0.3235



18.7173, 0.2038, 0.2537



1.1616, 0.2081, 0.2691

Inverse Universe

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



35.6337, 0.3332, 0.2607



48.1453, 0.3388, 0.2465



52.4897, 0.3731, 0.3933



11.9607, 0.3172, 0.3113



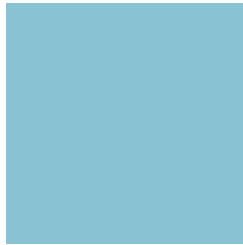
9.9608, 0.3885, 0.1914



0.5686, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 48.6051, 0.2605, 0.3061 looks on a white background.

Color Contrast Check

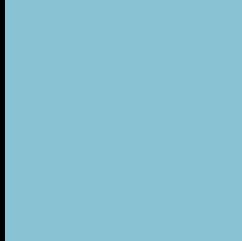
Large Text (above 18pt) WCAG AA × Fail

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 48.6051, 0.2605, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

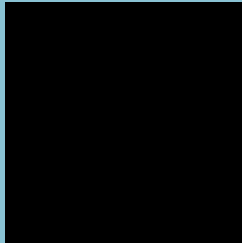
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6051, 0.2605, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 48.6051, 0.2605, 0.3061.



This preview shows how white text looks on a background with the Yxy color 48.6051, 0.2605, 0.3061.

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

48.6051, 0.2605, 0.3061

Protanopia

48.1717, 0.2959, 0.3025

Deuteranopia

48.1889, 0.2933, 0.2873



Tritanopia

48.5551, 0.2611, 0.3074

Trichromacy



Original Color

48.6051, 0.2605, 0.3061

Protanomaly

48.1526, 0.2817, 0.3031

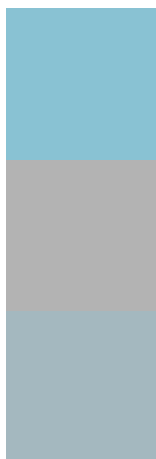
Deuteranomaly

47.9370, 0.2797, 0.2933

Tritanomaly

48.5551, 0.2611, 0.3074

Monochromacy



Original Color

48.6051, 0.2605, 0.3061

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.9351, 0.2912, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6051, 0.2605, 0.3061 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, 194, 211)` looks like.

```
.text, #text, p{  
    color:rgb(137, 194, 211)  
}
```

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, 194, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 194, 211) }
```

Border

The CSS property to change the border of an element to Yxy 48.6051, 0.2605, 0.3061 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, 194, 211) }
```

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

```
.border{ border-color:rgb(137, 194, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 194, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 194, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 194, 211);  
box-shadow:4px 4px 4px 4px rgb(137, 194,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6051, 0.2605, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 194, 211) }
```

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

```
.background{ background-color: rgb(137,  
194, 211) }
```

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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