

Converting Colors

$Y_{xy}(45.9535, 0.2673, 0.3065)$

Have a look what the booklet for
Yxy(45.9535, 0.2673, 0.3065)
contains.

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Color

Yxy(46.1657, 0.2675, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	8FBCCC
RGB	143, 188, 204
RGB Percent	56%, 74%, 80%
CMY	0.4395, 0.2627, 0.2000
CMYK	0.30, 0.08, 0.00, 0.20
HSL	196°, 37%, 68%
HSV	196°, 30%, 80%
XYZ	40.1996, 46.1657, 63.9136
YIQ	176.3690, -31.9560, -4.5640

Conversions

Conversions Part 2

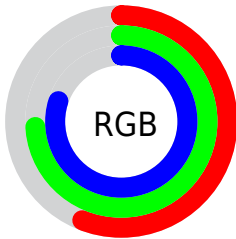
Format	Color
RYB	143, 169, 204
Decimal	9419980
CIELab	73.65, -11.12, -12.88
CIElCh	74, 17.019, 229.209
Yxy	46.1657, 0.2675, 0.3072
Android (android.graphics.Color)	4287610060 (0xFF8FBCCC)
YUV	176.3690, 13.6221, -29.2646
Hunter-Lab	67.9453, -13.2955, -8.2101

Details

The Yxy color **46.1657, 0.2675, 0.3072** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.5797, 0.3731, 0.3497**, and the grayscale version is **43.5523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9271, 0.2786, 0.3173**, and **21.7036, 0.2548, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **42.2724, 0.2534, 0.2987**, and if you desaturate by 10%, it is **50.4780, 0.2823, 0.3151**.

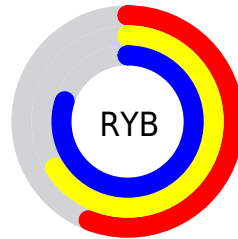
Distribution



Red (56%)

Green (74%)

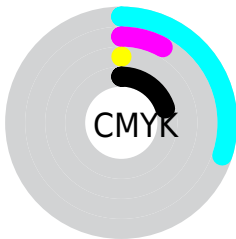
Blue (80%)



Red (56%)

Yellow (66%)

Blue (80%)

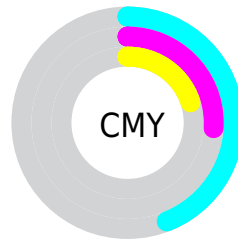


Cyan (30%)

Magenta (8%)

Yellow (0%)

Black (20%)



Cyan (44%)

Magenta (26%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1657, 0.2675, 0.3072 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 46.1657, 0.2675, 0.3072 by changing the saturation by 10% instead.

■ 46.1657, 0.2675,
0.3072

■ 46.1657, 0.2675,
0.3072

■ 371.4744, 0.2898,
0.3184

■ 32.3766, 0.2620,
0.3043

■ 84.4669, 0.2755,
0.3113

■ 21.6493, 0.2551,
0.3006

■ 109.7478, 0.2786,
0.3129

■ 13.5994, 0.2460,
0.2955

■ 139.6282, 0.2811,
0.3142

■ 7.8426, 0.2335,
0.2883

■ 174.4923, 0.2834,
0.3153

■ 3.9944, 0.2155,
0.2774

■ 214.7245, 0.2853,
0.3162

■ 1.6704, 0.1874,
0.2590

■ 260.7094, 0.2870,

■ 0.4044, 0.0591,

0.3170

0.2118

312.8312, 0.2885,
0.3178

0.0000, 0.0000,
0.0000

46.1657, 0.2675,
0.3072

46.1657, 0.2675,
0.3072

42.2724, 0.2534,
0.2987

50.4780, 0.2823,
0.3151

38.7737, 0.2404,
0.2896

55.2211, 0.2975,
0.3224

35.6508, 0.2288,
0.2802

60.4135, 0.3128,
0.3290

32.8809, 0.2189,
0.2705

66.0703, 0.3280,
0.3350

30.4382, 0.2108,
0.2607

72.2063, 0.3429,
0.3403

■ 28.2921, 0.2048,
0.2509

■ 76.8244, 0.3495,
0.3454

■ 26.3869, 0.2004,
0.2413

■ 79.6708, 0.3485,
0.3507

■ 26.3748, 0.2003,
0.2412

■ 82.6075, 0.3475,
0.3560

■ 85.6351, 0.3465,
0.3612

Harmonies

Analogous

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



46.1657, 0.2745, 0.3281



46.1657, 0.2675, 0.3072



46.1657, 0.2720, 0.2934

Triad

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



46.1657, 0.2675, 0.3072



46.1657, 0.3334, 0.3089



46.1657, 0.3378, 0.3713

Complementary

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



46.1657, 0.2675, 0.3072



39.5797, 0.3731, 0.3497

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.



46.1657, 0.3547, 0.3641



46.1657, 0.2675, 0.3072



46.1657, 0.3523, 0.3280

Square

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



46.1657, 0.2675, 0.3072



46.1657, 0.3094, 0.2950



46.1657, 0.3601, 0.3480



46.1657, 0.3146, 0.3664

Rectangle

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



46.1657, 0.2675, 0.3072



46.1657, 0.2810, 0.2895



46.1657, 0.3601, 0.3480



46.1657, 0.3444, 0.3702

Sweetspot

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



46.1675, 0.2675, 0.3072



92.1336, 0.2988, 0.3230



51.4909, 0.2987, 0.3934



19.4608, 0.2965, 0.3220



0.0000, 0.0000, 0.0000



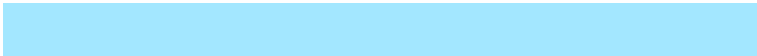
21.4041, 0.3127, 0.3290

Same Dimension

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



46.1675, 0.2675, 0.3072



72.1725, 0.2582, 0.3017



34.7127, 0.2628, 0.2646



12.2110, 0.2983, 0.3228



16.7601, 0.2007, 0.2426



0.9837, 0.2060, 0.2614

Inverse Universe

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



36.0915, 0.3314, 0.2732



53.2943, 0.3367, 0.2608



51.0951, 0.3625, 0.3860



11.3517, 0.3177, 0.3120



9.4949, 0.3997, 0.1975



0.5019, 0.3810, 0.1873

Previews

White Background



This preview shows how the Yxy color 46.1657, 0.2675, 0.3072 looks on a white background.

Color Contrast Check

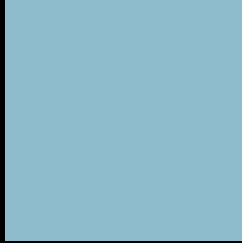
Large Text (above 18pt) WCAG AA × Fail

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 46.1657, 0.2675, 0.3072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

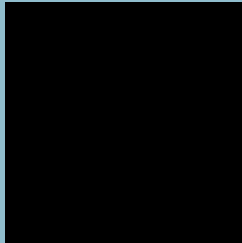
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1657, 0.2675, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 46.1657, 0.2675, 0.3072.



This preview shows how white text looks on a background with the Yxy color 46.1657, 0.2675, 0.3072.

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

46.1657, 0.2675, 0.3072

Protanopia

45.7824, 0.2971, 0.3045

Deuteranopia

45.9948, 0.2968, 0.2903



Tritanopia

46.1179, 0.2682, 0.3085

Trichromacy



Original Color

46.1657, 0.2675, 0.3072

Protanomaly

45.6254, 0.2854, 0.3052

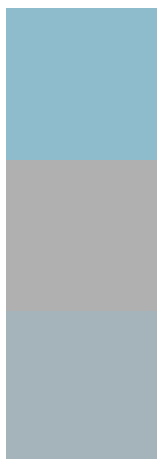
Deuteranomaly

45.6448, 0.2849, 0.2953

Tritanomaly

46.1179, 0.2682, 0.3085

Monochromacy



Original Color

46.1657, 0.2675, 0.3072

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.0802, 0.2947, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1657, 0.2675, 0.3072 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(143, 188, 204)` looks like.

```
.text, #text, p{  
    color:rgb(143, 188, 204)  
}
```

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(143, 188, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 188, 204) }
```

Border

The CSS property to change the border of an element to Yxy 46.1657, 0.2675, 0.3072 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(143, 188, 204) }
```

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

```
.border{ border-color:rgb(143, 188, 204) }
```

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

Here you see how a box with a 4 pixel rgb(143, 188, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 188, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 188, 204);  
box-shadow:4px 4px 4px 4px rgb(143, 188,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1657, 0.2675, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 188, 204) }
```

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

```
.background{ background-color: rgb(143,  
188, 204) }
```

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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