

Converting Colors

$Y_{xy}(42.5954, 0.2606, 0.3014)$

Have a look what the booklet for
Yxy(42.5954, 0.2606, 0.3014)
contains.

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Color

Yxy(42.6257, 0.2605, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	84B6CA
RGB	132, 182, 202
RGB Percent	52%, 71%, 79%
CMY	0.4820, 0.2863, 0.2078
CMYK	0.35, 0.10, 0.00, 0.21
HSL	197°, 40%, 66%
HSV	197°, 35%, 79%
XYZ	36.9149, 42.6257, 62.1672
YIQ	169.3300, -36.2200, -4.3800

Conversions

Conversions Part 2

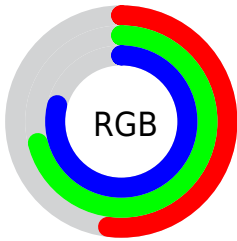
Format	Color
R _{YB}	132, 161, 202
Decimal	8697546
CIE _{Lab}	71.30, -11.49, -15.40
CIE _{LCh}	71, 19.216, 233.273
Yxy	42.6257, 0.2605, 0.3008
Android (android.graphics.Color)	4286887626 (0xFF84B6CA)
YUV	169.3300, 16.1063, -32.7384
Hunter-Lab	65.2884, -13.3284, -10.7537

Details

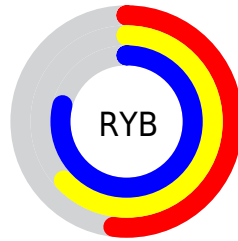
The Yxy color **42.6257, 0.2605, 0.3008** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7194, 0.3849, 0.3553**, and the grayscale version is **39.7892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9339, 0.2718, 0.3105**, and **19.5009, 0.2457, 0.2918** is the 20% darker color. If you saturate the color by 10%, you get **38.8313, 0.2466, 0.2911**, and if you desaturate by 10%, it is **46.8368, 0.2752, 0.3098**.

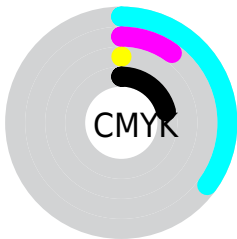
Distribution



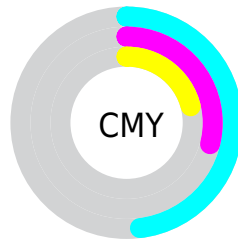
- Red (52%)
- Green (71%)
- Blue (79%)



- Red (52%)
- Yellow (63%)
- Blue (79%)



- Cyan (35%)
- Magenta (10%)
- Yellow (0%)
- Black (21%)




- Cyan (48%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6257, 0.2605, 0.3008 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 42.6257, 0.2605, 0.3008 by changing the saturation by 10% instead.


 42.6257, 0.2605,
0.3008

 42.6257, 0.2605,
0.3008


357.0702, 0.2865,
0.3154


 29.5915, 0.2541,
0.2970


 79.1457, 0.2699,
0.3062

 19.5288, 0.2459,
0.2920


 103.4004, 0.2735,
0.3082

 12.0530, 0.2350,
0.2853


 132.1640, 0.2765,
0.3099

 6.7798, 0.2201,
0.2756

165.8210, 0.2790,
0.3114

 3.3247, 0.1984,
0.2608

204.7557, 0.2813,
0.3126

 1.3035, 0.1645,
0.2356

249.3525, 0.2832,

 0.1439, 0.0000,

0.3137

0.1026

299.9959, 0.2850,
0.3146

0.0000, 0.0000,
0.0000

42.6257, 0.2605,
0.3008

42.6257, 0.2605,
0.3008

38.8313, 0.2466,
0.2911

46.8368, 0.2752,
0.3098

35.4290, 0.2339,
0.2810

51.4775, 0.2903,
0.3182

32.3994, 0.2227,
0.2704

56.5663, 0.3057,
0.3257

29.7184, 0.2133,
0.2596

62.1187, 0.3209,
0.3326

27.3588, 0.2058,
0.2488

68.1498, 0.3358,
0.3387

■ 25.2874, 0.2003,
0.2381

■ 74.6736, 0.3503,
0.3442

■ 24.2592, 0.1979,
0.2324

■ 78.0259, 0.3505,
0.3499

■ 81.1612, 0.3493,
0.3556

■ 84.4031, 0.3482,
0.3613

Harmonies

Analogous

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



42.6257, 0.2667, 0.3242



42.6257, 0.2605, 0.3008



42.6257, 0.2674, 0.2864

Triad

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



42.6257, 0.2605, 0.3008



42.6257, 0.3402, 0.3086



42.6257, 0.3383, 0.3784

Complementary

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



42.6257, 0.2605, 0.3008



36.7194, 0.3849, 0.3553

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.



42.6257, 0.3594, 0.3714



42.6257, 0.2605, 0.3008



42.6257, 0.3608, 0.3308

Square

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



42.6257, 0.2605, 0.3008



42.6257, 0.3126, 0.2916



42.6257, 0.3679, 0.3536



42.6257, 0.3110, 0.3709

Rectangle

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



42.6257, 0.2605, 0.3008



42.6257, 0.2787, 0.2832



42.6257, 0.3679, 0.3536



42.6257, 0.3464, 0.3775

Sweetspot

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



42.6274, 0.2605, 0.3008



90.9089, 0.2972, 0.3216



49.4236, 0.2952, 0.4017



19.1985, 0.2950, 0.3206



0.0000, 0.0000, 0.0000



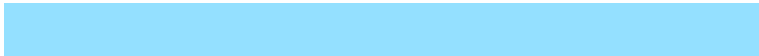
21.4041, 0.3127, 0.3290

Same Dimension

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



42.6274, 0.2605, 0.3008



66.9937, 0.2494, 0.2932



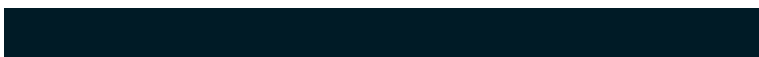
30.1178, 0.2537, 0.2492



12.1629, 0.2983, 0.3222



15.7668, 0.1983, 0.2338



0.9390, 0.2041, 0.2546

Inverse Universe

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



32.4605, 0.3369, 0.2663



47.8080, 0.3444, 0.2521



49.7091, 0.3702, 0.3977



11.3468, 0.3181, 0.3126



9.3947, 0.4087, 0.2025



0.4973, 0.3877, 0.1909

Previews

White Background



This preview shows how the Yxy color 42.6257, 0.2605, 0.3008 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 42.6257, 0.2605, 0.3008 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 42.6257, 0.2605, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 42.6257, 0.2605, 0.3008.



This preview shows how white text looks on a background with the Yxy color 42.6257, 0.2605, 0.3008.

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

42.6257, 0.2605, 0.3008

Protanopia

42.5306, 0.2927, 0.2985

Deuteranopia

42.3873, 0.2899, 0.2838



Tritanopia

42.7235, 0.2631, 0.3090

Trichromacy



Original Color

42.6257, 0.2605, 0.3008

Protanomaly

42.2960, 0.2802, 0.2991

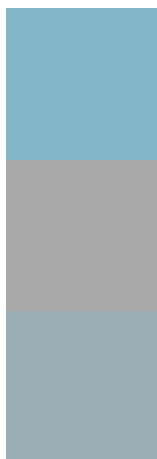
Deuteranomaly

42.1053, 0.2781, 0.2889

Tritanomaly

42.8158, 0.2618, 0.3063

Monochromacy



Original Color

42.6257, 0.2605, 0.3008

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.6762, 0.2917, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6257, 0.2605, 0.3008 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(132, 182, 202)` looks like.

```
.text, #text, p{  
    color:rgb(132, 182, 202)  
}
```

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(132, 182, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 182, 202) }
```

Border

The CSS property to change the border of an element to Yxy 42.6257, 0.2605, 0.3008 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(132, 182, 202) }
```

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

```
.border{ border-color:rgb(132, 182, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 182, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 182, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 182, 202); box-shadow:4px 4px 4px 4px rgb(132, 182, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6257, 0.2605, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 182, 202) }
```

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

```
.background{ background-color: rgb(132,  
182, 202) }
```

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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