

Converting Colors

$Y_{xy}(47.1223, 0.2562, 0.2994)$

Have a look what the booklet for
Yxy(47.1223, 0.2562, 0.2994)
contains.

Yxy(47.0522, 0.2563, 0.2992)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.0522, 0.2563, 0.2992)

Conversions

Conversions Part 1

Format	Color
Hex	85BFD5
RGB	133, 191, 213
RGB Percent	52%, 75%, 84%
CMY	0.4787, 0.2509, 0.1647
CMYK	0.38, 0.10, 0.00, 0.16
HSL	196°, 49%, 68%
HSV	196°, 38%, 84%
XYZ	40.3057, 47.0522, 69.9021
YIQ	176.1660, -41.6300, -5.4540

Conversions

Conversions Part 2

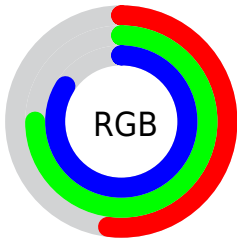
Format	Color
RYB	133, 167, 213
Decimal	8765397
CIELab	74.22, -13.25, -16.98
CIELCh	74, 21.533, 232.036
Yxy	47.0522, 0.2563, 0.2992
Android (android.graphics.Color)	4286955477 (0xFF85BFD5)
YUV	176.1660, 18.1592, -37.8566
Hunter-Lab	68.5946, -15.1551, -12.4039

Details

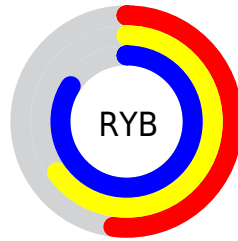
The Yxy color **47.0522, 0.2563, 0.2992** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.2522, 0.3940, 0.3566**, and the grayscale version is **43.4215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5603, 0.2739, 0.3203**, and **22.3078, 0.2417, 0.2917** is the 20% darker color. If you saturate the color by 10%, you get **42.9936, 0.2428, 0.2898**, and if you desaturate by 10%, it is **51.5678, 0.2707, 0.3081**.

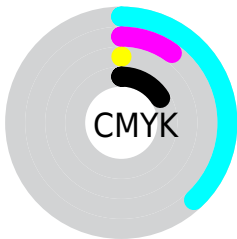
Distribution



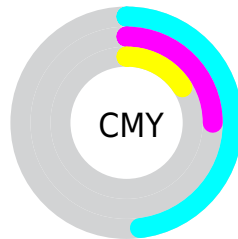
- Red (52%)
- Green (75%)
- Blue (84%)



- Red (52%)
- Yellow (65%)
- Blue (84%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)





- Cyan (48%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0522, 0.2563, 0.2992 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 47.0522, 0.2563, 0.2992 by changing the saturation by 10% instead.


 47.0522, 0.2563,
0.2992

 47.0522, 0.2563,
0.2992


375.0229, 0.2839,
0.3145

 33.0769, 0.2496,
0.2953


 85.7915, 0.2662,
0.3048

 22.1854, 0.2412,
0.2903


 111.3244, 0.2699,
0.3069

 13.9932, 0.2303,
0.2835


 141.4785, 0.2731,
0.3087

 8.1159, 0.2155,
0.2740

176.6384, 0.2758,
0.3102

 4.1692, 0.1946,
0.2598

217.1884, 0.2782,
0.3115

 1.7687, 0.1630,
0.2366

263.5129, 0.2803,

 0.4675, 0.0487,

0.3126

0.1881

315.9962, 0.2822,
0.3136

0.0000, 0.0000,
0.0000

47.0522, 0.2563,
0.2992

47.0522, 0.2563,
0.2992

42.9936, 0.2428,
0.2898

51.5678, 0.2707,
0.3081

39.3638, 0.2307,
0.2799

56.5555, 0.2857,
0.3163

36.1398, 0.2201,
0.2697

62.0365, 0.3011,
0.3238

33.2936, 0.2115,
0.2593

68.0288, 0.3164,
0.3306

30.7923, 0.2048,
0.2490

74.5495, 0.3315,
0.3367

■ 28.5912, 0.2000,
0.2388

■ 80.5104, 0.3421,
0.3423

■ 28.0867, 0.1990,
0.2363

■ 83.7468, 0.3412,
0.3480

■ 87.0927, 0.3402,
0.3538

■ 90.5492, 0.3393,
0.3594

Harmonies

Analogous

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



47.0522, 0.2636, 0.3248



47.0522, 0.2563, 0.2992



47.0522, 0.2631, 0.2833

Triad

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



47.0522, 0.2563, 0.2992



47.0522, 0.3413, 0.3060



47.0522, 0.3415, 0.3826

Complementary

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



47.0522, 0.2563, 0.2992



39.2522, 0.3940, 0.3566

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.



47.0522, 0.3639, 0.3742



47.0522, 0.2563, 0.2992



47.0522, 0.3642, 0.3298

Square

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



47.0522, 0.2563, 0.2992



47.0522, 0.3112, 0.2880



47.0522, 0.3726, 0.3545



47.0522, 0.3119, 0.3752

Rectangle

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



47.0522, 0.2563, 0.2992



47.0522, 0.2750, 0.2795



47.0522, 0.3726, 0.3545



47.0522, 0.3501, 0.3814

Sweetspot

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



47.0540, 0.2563, 0.2992



90.2476, 0.2956, 0.3212



54.9089, 0.2946, 0.4115



19.0735, 0.2935, 0.3202



0.0000, 0.0000, 0.0000



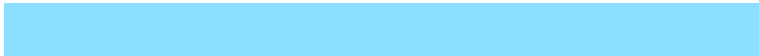
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0540, 0.2563, 0.2992



65.8590, 0.2456, 0.2918



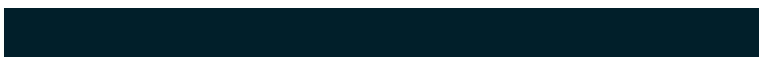
32.1190, 0.2481, 0.2426



13.5045, 0.2982, 0.3225



17.3365, 0.1994, 0.2378



1.1806, 0.2043, 0.2554

Inverse Universe

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



34.6664, 0.3388, 0.2597



45.4439, 0.3461, 0.2456



54.5600, 0.3763, 0.4024



12.5718, 0.3179, 0.3122



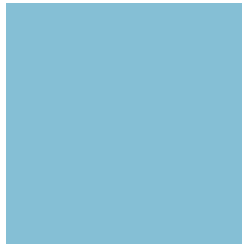
10.0950, 0.4046, 0.2002



0.6225, 0.3869, 0.1905

Previews

White Background



This preview shows how the Yxy color 47.0522, 0.2563, 0.2992 looks on a white background.

Color Contrast Check

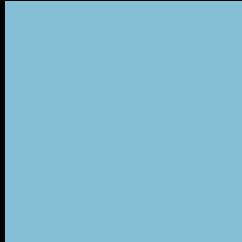
Large Text (above 18pt) WCAG AA × Fail

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 47.0522, 0.2563, 0.2992 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 47.0522, 0.2563, 0.2992

Background



This preview shows how black text looks on a background with the Yxy color 47.0522, 0.2563, 0.2992.



This preview shows how white text looks on a background with the Yxy color 47.0522, 0.2563, 0.2992.

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

47.0522, 0.2563, 0.2992

Protanopia

46.5637, 0.2912, 0.2959

Deuteranopia

46.8659, 0.2879, 0.2820



Tritanopia

47.0296, 0.2588, 0.3083

Trichromacy



Original Color

47.0522, 0.2563, 0.2992

Protanomaly

46.5658, 0.2772, 0.2964

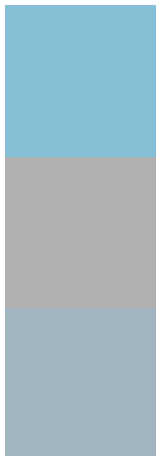
Deuteranomaly

46.7726, 0.2753, 0.2879

Tritanomaly

47.2083, 0.2582, 0.3057

Monochromacy



Original Color

47.0522, 0.2563, 0.2992

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1955, 0.2893, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0522, 0.2563, 0.2992 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(133, 191, 213)` looks like.

```
.text, #text, p{  
    color:rgb(133, 191, 213)  
}
```

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(133, 191, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 191, 213) }
```

Border

The CSS property to change the border of an element to Yxy 47.0522, 0.2563, 0.2992 is called "border". The border property can be set on classes, ids or directly on the HTML element.

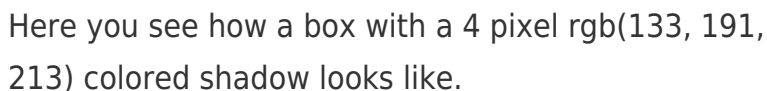
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 191, 213) }
```

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

```
.border{ border-color:rgb(133, 191, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 191, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 191, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 191, 213); box-shadow:4px 4px 4px 4px rgb(133, 191, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0522, 0.2563, 0.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 191, 213) }
```

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

```
.background{ background-color: rgb(133,  
191, 213) }
```

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