

Converting Colors

$Yxy(47.5461, 0.2642, 0.3005)$

Have a look what the booklet for
Yxy(47.5461, 0.2642, 0.3005)
contains.

Yxy(47.4594, 0.2642, 0.3009)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4594, 0.2642, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	90BED3
RGB	144, 190, 211
RGB Percent	56%, 75%, 83%
CMY	0.4354, 0.2549, 0.1725
CMYK	0.32, 0.10, 0.00, 0.17
HSL	199°, 43%, 70%
HSV	199°, 32%, 83%
XYZ	41.6709, 47.4594, 68.5945
YIQ	178.6400, -34.1570, -3.2210

Conversions

Conversions Part 2

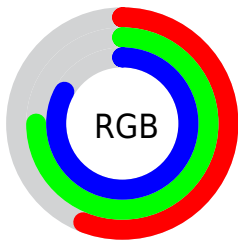
Format	Color
RYB	144, 171, 211
Decimal	9486035
CIELab	74.48, -10.17, -15.45
CIELCh	74, 18.494, 236.637
Yxy	47.4594, 0.2642, 0.3009
Android (android.graphics.Color)	4287676115 (0xFF90BED3)
YUV	178.6400, 15.9535, -30.3793
Hunter-Lab	68.8908, -12.5872, -10.8115

Details

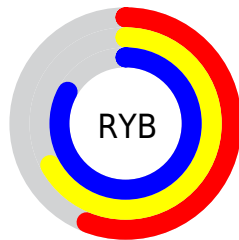
The Yxy color **47.4594, 0.2642, 0.3009** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7665, 0.3768, 0.3553**, and the grayscale version is **44.8045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2736, 0.2793, 0.3194**, and **22.5158, 0.2516, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **42.9365, 0.2498, 0.2904**, and if you desaturate by 10%, it is **52.4710, 0.2793, 0.3106**.

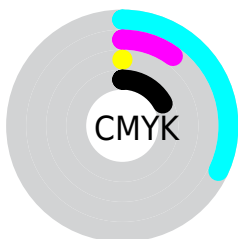
Distribution



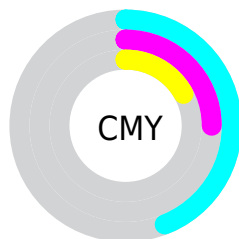
- Red (56%)
- Green (75%)
- Blue (83%)



- Red (56%)
- Yellow (67%)
- Blue (83%)



- Cyan (32%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)




- Cyan (44%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4594, 0.2642, 0.3009 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 47.4594, 0.2642, 0.3009 by changing the saturation by 10% instead.

 47.4594, 0.2642,
0.3009

 47.4594, 0.2642,
0.3009


376.6453, 0.2880,
0.3152

 33.3990, 0.2584,
0.2973


 86.3990, 0.2727,
0.3061

 22.4323, 0.2511,
0.2926


 112.0469, 0.2759,
0.3081

 14.1749, 0.2416,
0.2864


142.3261, 0.2787,
0.3097

 8.2424, 0.2287,
0.2777

177.6210, 0.2811,
0.3111

 4.2504, 0.2101,
0.2647

218.3160, 0.2831,
0.3123

 1.8146, 0.1818,
0.2436

264.7954, 0.2849,

 0.4963, 0.0894,

0.3134

0.1985

317.4437, 0.2865,
0.3143

0.0000, 0.0000,
0.0000

47.4594, 0.2642,
0.3009

47.4594, 0.2642,
0.3009

42.9365, 0.2498,
0.2904

52.4710, 0.2793,
0.3106

38.8751, 0.2364,
0.2793

57.9857, 0.2946,
0.3196

35.2537, 0.2243,
0.2678

64.0240, 0.3100,
0.3277

32.0462, 0.2139,
0.2559

70.6035, 0.3252,
0.3349

29.2227, 0.2055,
0.2439

77.7408, 0.3399,
0.3414

■ 26.7482, 0.1991,
0.2320

■ 82.3746, 0.3429,
0.3478

■ 24.9226, 0.1951,
0.2224

■ 86.1173, 0.3418,
0.3543

■ 90.0009, 0.3407,
0.3607

■ 94.0270, 0.3396,
0.3669

Harmonies

Analogous

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



47.4594, 0.2687, 0.3219



47.4594, 0.2642, 0.3009



47.4594, 0.2720, 0.2886

Triad

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



47.4594, 0.2642, 0.3009



47.4594, 0.3408, 0.3121



47.4594, 0.3339, 0.3746

Complementary

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



47.4594, 0.2642, 0.3009



42.7665, 0.3768, 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.



47.4594, 0.3544, 0.3697



47.4594, 0.2642, 0.3009



47.4594, 0.3587, 0.3332

Square

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



47.4594, 0.2642, 0.3009



47.4594, 0.3156, 0.2955



47.4594, 0.3637, 0.3542



47.4594, 0.3082, 0.3661

Rectangle

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



47.4594, 0.2642, 0.3009



47.4594, 0.2833, 0.2863



47.4594, 0.3637, 0.3542



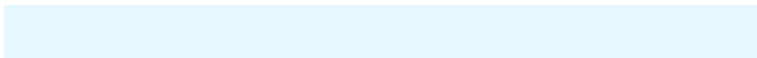
47.4594, 0.3416, 0.3744

Sweetspot

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



47.4613, 0.2642, 0.3009



90.4885, 0.2972, 0.3210



55.2023, 0.2957, 0.3934



19.0965, 0.2950, 0.3198



0.0000, 0.0000, 0.0000



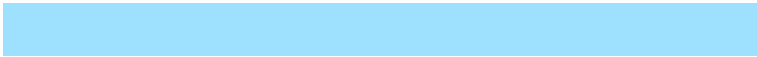
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4613, 0.2642, 0.3009



68.1558, 0.2545, 0.2940



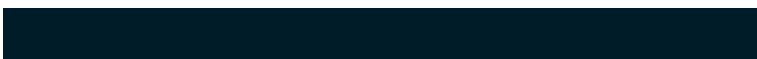
34.8769, 0.2587, 0.2550



12.7561, 0.2983, 0.3215



15.2305, 0.1956, 0.2241



0.9900, 0.2016, 0.2456

Inverse Universe

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



37.5094, 0.3363, 0.2735



51.1645, 0.3428, 0.2617



56.0685, 0.3648, 0.3934



11.9434, 0.3185, 0.3132



9.6088, 0.4188, 0.2081



0.5512, 0.3966, 0.1958

Previews

White Background



This preview shows how the Yxy color 47.4594, 0.2642, 0.3009 looks on a white background.

Color Contrast Check

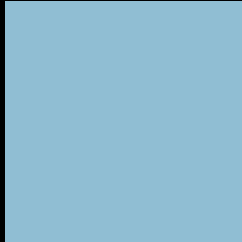
Large Text (above 18pt) WCAG AA × Fail

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 47.4594, 0.2642, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

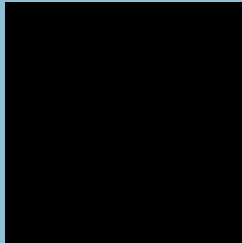
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4594, 0.2642, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 47.4594, 0.2642, 0.3009.



This preview shows how white text looks on a background with the Yxy color 47.4594, 0.2642, 0.3009.

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

47.4594, 0.2642, 0.3009

Protanopia

47.0392, 0.2928, 0.2985

Deuteranopia

47.0840, 0.2924, 0.2858



Tritanopia

47.5575, 0.2668, 0.3087

Trichromacy



Original Color

47.4594, 0.2642, 0.3009

Protanomaly

46.8930, 0.2815, 0.2991

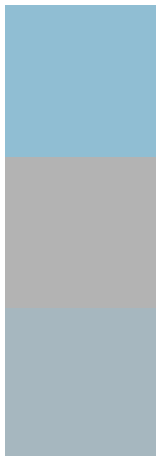
Deuteranomaly

46.8673, 0.2817, 0.2907

Tritanomaly

47.6553, 0.2655, 0.3061

Monochromacy



Original Color

47.4594, 0.2642, 0.3009

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7356, 0.2927, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4594, 0.2642, 0.3009 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(144, 190, 211)` looks like.

```
.text, #text, p{  
    color:rgb(144, 190, 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(144, 190, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 190, 211) }
```

Border

The CSS property to change the border of an element to Yxy 47.4594, 0.2642, 0.3009 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(144, 190, 211) }
```

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

```
.border{ border-color:rgb(144, 190, 211) }
```

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

Here you see how a box with a 4 pixel rgb(144, 190, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 190, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 190, 211);  
box-shadow:4px 4px 4px 4px rgb(144, 190,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4594, 0.2642, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 190, 211) }
```

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

```
.background{ background-color: rgb(144,  
190, 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](#).

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