

Converting Colors

$Y_{xy}(47.7180, 0.2601, 0.2959)$

Have a look what the booklet for
Yxy(47.7180, 0.2601, 0.2959)
contains.

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Color

Yxy(47.9187, 0.2607, 0.2971)

Conversions

Conversions Part 1

Format	Color
Hex	8EBFD7
RGB	142, 191, 215
RGB Percent	56%, 75%, 84%
CMY	0.4432, 0.2509, 0.1569
CMYK	0.34, 0.11, 0.00, 0.16
HSL	200°, 48%, 70%
HSV	200°, 34%, 84%
XYZ	42.0478, 47.9187, 71.3216
YIQ	179.0850, -36.9080, -2.9240

Conversions

Conversions Part 2

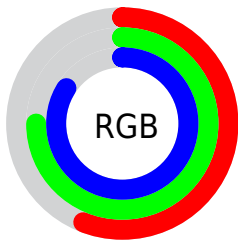
Format	Color
RYB	142, 171, 215
Decimal	9355223
CIELab	74.77, -10.28, -17.19
CIElCh	75, 20.029, 239.108
Yxy	47.9187, 0.2607, 0.2971
Android (android.graphics.Color)	4287545303 (0xFF8EBFD7)
YUV	179.0850, 17.7061, -32.5235
Hunter-Lab	69.2233, -12.7159, -12.6308

Details

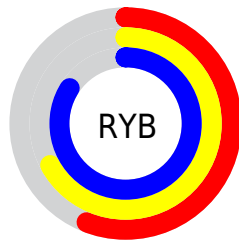
The Yxy color **47.9187, 0.2607, 0.2971** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6578, 0.3822, 0.3586**, and the grayscale version is **45.0437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7473, 0.2788, 0.3205**, and **22.8389, 0.2474, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **43.1923, 0.2463, 0.2859**, and if you desaturate by 10%, it is **53.1642, 0.2758, 0.3075**.

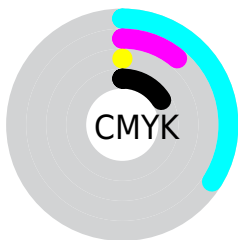
Distribution



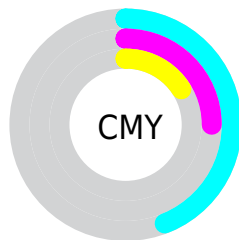
- Red (56%)
- Green (75%)
- Blue (84%)



- Red (56%)
- Yellow (67%)
- Blue (84%)



- Cyan (34%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9187, 0.2607, 0.2971 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 47.9187, 0.2607, 0.2971 by changing the saturation by 10% instead.

■ 47.9187, 0.2607,
0.2971

■ 47.9187, 0.2607,
0.2971

378.4698, 0.2861,
0.3132

■ 33.7625, 0.2546,
0.2930

■ 87.0833, 0.2698,
0.3030

■ 22.7112, 0.2468,
0.2878

■ 112.8606, 0.2732,
0.3052

■ 14.3804, 0.2367,
0.2809

143.2803, 0.2762,
0.3071

■ 8.3857, 0.2231,
0.2712

178.7269, 0.2787,
0.3087

■ 4.3427, 0.2038,
0.2569

219.5847, 0.2809,
0.3100

■ 1.8671, 0.1746,
0.2340

266.2382, 0.2828,

■ 0.5285, 0.0895,

0.3112

0.1883

319.0718, 0.2846,
0.3123

0.0000, 0.0000,
0.0000

47.9187, 0.2607,
0.2971

47.9187, 0.2607,
0.2971

43.1923, 0.2463,
0.2859

53.1642, 0.2758,
0.3075

38.9560, 0.2329,
0.2741

58.9446, 0.2912,
0.3171

35.1864, 0.2210,
0.2618

65.2819, 0.3066,
0.3258

31.8551, 0.2108,
0.2492

72.1950, 0.3219,
0.3336

28.9295, 0.2026,
0.2366

79.7018, 0.3367,
0.3406

■ 26.3707, 0.1965,
0.2241

■ 84.6631, 0.3396,
0.3474

■ 24.9655, 0.1935,
0.2167

■ 88.7512, 0.3385,
0.3543

■ 93.0013, 0.3375,
0.3611

■ 97.4151, 0.3364,
0.3677

Harmonies

Analogous

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



47.9187, 0.2644, 0.3191



47.9187, 0.2607, 0.2971



47.9187, 0.2701, 0.2848

Triad

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



47.9187, 0.2607, 0.2971



47.9187, 0.3451, 0.3126



47.9187, 0.3333, 0.3782

Complementary

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



47.9187, 0.2607, 0.2971



43.6578, 0.3822, 0.3586

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.



47.9187, 0.3562, 0.3739



47.9187, 0.2607, 0.2971



47.9187, 0.3635, 0.3354

Square

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



47.9187, 0.2607, 0.2971



47.9187, 0.3181, 0.2942



47.9187, 0.3675, 0.3577



47.9187, 0.3055, 0.3678

Rectangle

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



47.9187, 0.2607, 0.2971



47.9187, 0.2828, 0.2831



47.9187, 0.3675, 0.3577



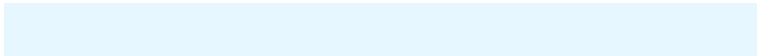
47.9187, 0.3418, 0.3783

Sweetspot

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



47.9206, 0.2607, 0.2971



90.2517, 0.2972, 0.3206



57.0690, 0.2939, 0.3970



19.0390, 0.2950, 0.3193



0.0000, 0.0000, 0.0000



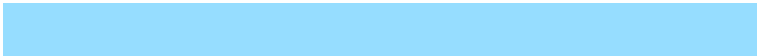
21.4041, 0.3127, 0.3290

Same Dimension

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



47.9206, 0.2607, 0.2971



65.2778, 0.2499, 0.2889



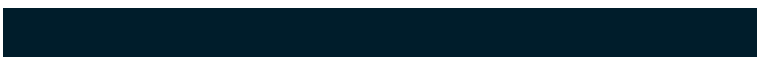
34.2177, 0.2542, 0.2471



13.3883, 0.2982, 0.3212



15.1335, 0.1941, 0.2186



1.0611, 0.2000, 0.2399

Inverse Universe

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



37.5469, 0.3396, 0.2707



48.4187, 0.3475, 0.2579



58.4578, 0.3684, 0.3993



12.5601, 0.3187, 0.3135



9.8726, 0.4248, 0.2114



0.6104, 0.4024, 0.1990

Previews

White Background



This preview shows how the Yxy color 47.9187, 0.2607, 0.2971 looks on a white background.

Color Contrast Check

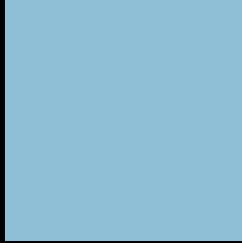
Large Text (above 18pt) WCAG AA × Fail

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 47.9187, 0.2607, 0.2971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

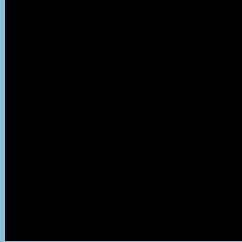
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9187, 0.2607, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 47.9187, 0.2607, 0.2971.



This preview shows how white text looks on a background with the Yxy color 47.9187, 0.2607, 0.2971.

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

47.9187, 0.2607, 0.2971

Protanopia

47.6431, 0.2899, 0.2950

Deuteranopia

47.5642, 0.2888, 0.2823



Tritanopia

47.8288, 0.2638, 0.3073

Trichromacy



Original Color

47.9187, 0.2607, 0.2971

Protanomaly

47.5081, 0.2789, 0.2955

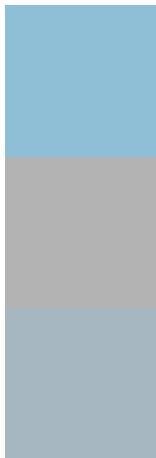
Deuteranomaly

47.2599, 0.2775, 0.2871

Tritanomaly

48.0651, 0.2626, 0.3035

Monochromacy



Original Color

47.9187, 0.2607, 0.2971

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7797, 0.2920, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9187, 0.2607, 0.2971 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(142, 191, 215)` looks like.

```
.text, #text, p{  
    color:rgb(142, 191, 215)  
}
```

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(142, 191, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 191, 215) }
```

Border

The CSS property to change the border of an element to Yxy 47.9187, 0.2607, 0.2971 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(142, 191, 215) }
```

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

```
.border{ border-color:rgb(142, 191, 215) }
```

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

Here you see how a box with a 4 pixel rgb(142, 191, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 191, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 191, 215);  
box-shadow:4px 4px 4px 4px rgb(142, 191,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9187, 0.2607, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 191, 215) }
```

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

```
.background{ background-color: rgb(142,  
191, 215) }
```

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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