

Converting Colors

$Yxy(50.9089, 0.2487, 0.2718)$

Have a look what the booklet for
Yxy(50.9089, 0.2487, 0.2718)
contains.

Yxy(50.8041, 0.2486, 0.2715)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.8041, 0.2486, 0.2715)

Conversions

Conversions Part 1

Format	Color
Hex	90C2F0
RGB	144, 194, 240
RGB Percent	56%, 76%, 94%
CMY	0.4354, 0.2392, 0.0588
CMYK	0.40, 0.19, 0.00, 0.06
HSL	209°, 76%, 75%
HSV	209°, 40%, 94%
XYZ	46.5190, 50.8041, 89.8007
YIQ	184.2940, -44.5660, 3.7060

Conversions

Conversions Part 2

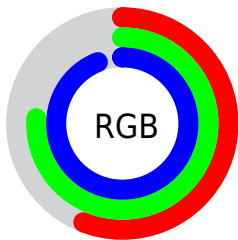
Format	Color
RYB	144, 177, 240
Decimal	9487088
CIELab	76.56, -4.93, -27.97
CIElCh	77, 28.403, 260.000
Yxy	50.8041, 0.2486, 0.2715
Android (android.graphics.Color)	4287677168 (0xFF90C2F0)
YUV	184.2940, 27.4631, -35.3378
Hunter-Lab	71.2770, -8.2366, -24.8046

Details

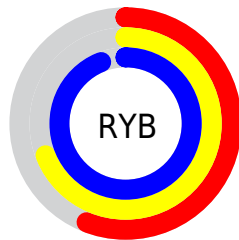
The Yxy color **50.8041, 0.2486, 0.2715** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.3578, 0.3931, 0.3797**, and the grayscale version is **47.9659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0087, 0.2807, 0.3237**, and **24.6343, 0.2326, 0.2570** is the 20% darker color. If you saturate the color by 10%, you get **43.9486, 0.2329, 0.2540**, and if you desaturate by 10%, it is **58.5188, 0.2648, 0.2879**.

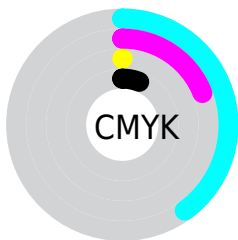
Distribution



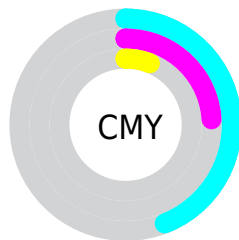
- Red (56%)
- Green (76%)
- Blue (94%)



- Red (56%)
- Yellow (69%)
- Blue (94%)



- Cyan (40%)
- Magenta (19%)
- Yellow (0%)
- Black (6%)



- Cyan (44%)
- Magenta (24%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8041, 0.2486, 0.2715 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 50.8041, 0.2486, 0.2715 by changing the saturation by 10% instead.

■ 50.8041, 0.2486,
0.2715

■ 50.8041, 0.2486,
0.2715

■ 389.8022, 0.2794,
0.2995

■ 36.0527, 0.2414,
0.2648

■ 91.3651, 0.2595,
0.2815

■ 24.4749, 0.2323,
0.2564

■ 117.9436, 0.2636,
0.2853

■ 15.6863, 0.2207,
0.2455

■ 149.2332, 0.2672,
0.2886

■ 9.3024, 0.2055,
0.2309

■ 185.6183, 0.2703,
0.2914

■ 4.9390, 0.1846,
0.2108

■ 227.4834, 0.2730,
0.2938

■ 2.2115, 0.1548,
0.1813

■ 275.2128, 0.2754,

■ 0.7263, 0.1062,

0.2959

0.1354

329.1909, 0.2775,
0.2978

0.0000, 0.0000,
0.0000

50.8041, 0.2486,
0.2715

50.8041, 0.2486,
0.2715

43.9486, 0.2329,
0.2540

58.5188, 0.2648,
0.2879

37.9082, 0.2182,
0.2355

67.1222, 0.2811,
0.3030

32.6429, 0.2050,
0.2167

76.6494, 0.2972,
0.3167

28.1055, 0.1939,
0.1978

87.1316, 0.3127,
0.3290

24.2416, 0.1850,
0.1795

96.8550, 0.3217,
0.3401

■ 20.9695, 0.1784,
0.1622

■ 99.0720, 0.3214,
0.3434

Harmonies

Analogous

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



50.8041, 0.2412, 0.2921



50.8041, 0.2486, 0.2715



50.8041, 0.2722, 0.2664

Triad

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



50.8041, 0.2486, 0.2715



50.8041, 0.3777, 0.3272



50.8041, 0.3138, 0.3907

Complementary

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



50.8041, 0.2486, 0.2715



57.3578, 0.3931, 0.3797

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.



50.8041, 0.3515, 0.3982



50.8041, 0.2486, 0.2715



50.8041, 0.3898, 0.3586

Square

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



50.8041, 0.2486, 0.2715



50.8041, 0.3469, 0.2978



50.8041, 0.3797, 0.3851



50.8041, 0.2774, 0.3629

Rectangle

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



50.8041, 0.2486, 0.2715



50.8041, 0.2950, 0.2714



50.8041, 0.3797, 0.3851



50.8041, 0.3268, 0.3957

Sweetspot

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



50.8060, 0.2486, 0.2715



85.6530, 0.2940, 0.3140



71.9192, 0.2833, 0.3932



18.0196, 0.2919, 0.3123



0.0000, 0.0000, 0.0000



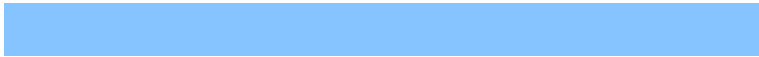
21.4041, 0.3127, 0.3290

Same Dimension

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



50.8060, 0.2486, 0.2715



51.8200, 0.2358, 0.2573



33.1411, 0.2390, 0.2102



16.5913, 0.2980, 0.3174



11.7462, 0.1792, 0.1649



1.1764, 0.1856, 0.1880

Inverse Universe

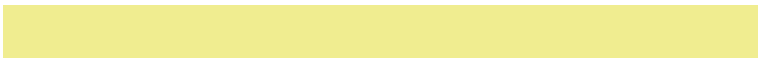
The Inverse Universe completely reimagines the original color for something new.



42.3615, 0.3607, 0.2745



41.9280, 0.3749, 0.2639



80.9989, 0.3738, 0.4253



15.8964, 0.3212, 0.3168



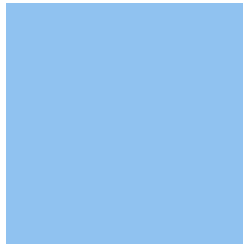
10.9791, 0.4869, 0.2456



0.9335, 0.4591, 0.2303

Previews

White Background



This preview shows how the Yxy color 50.8041, 0.2486, 0.2715 looks on a white background.

Color Contrast Check

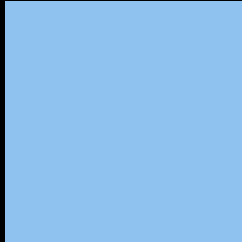
Large Text (above 18pt) WCAG AA × Fail

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 50.8041, 0.2486, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

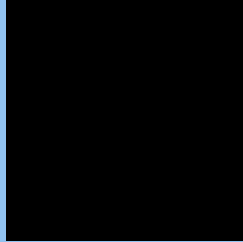
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

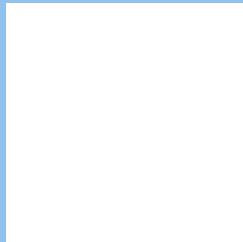
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8041, 0.2486, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 50.8041, 0.2486, 0.2715.



This preview shows how white text looks on a background with the Yxy color 50.8041, 0.2486, 0.2715.

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

50.8041, 0.2486, 0.2715

Protanopia

50.4631, 0.2713, 0.2701

Deuteranopia

50.5737, 0.2676, 0.2616



Tritanopia

50.5616, 0.2595, 0.3077

Trichromacy



Original Color

50.8041, 0.2486, 0.2715

Protanomaly

50.5089, 0.2623, 0.2704

Deuteranomaly

50.4243, 0.2605, 0.2649

Tritanomaly

50.8357, 0.2560, 0.2952

Monochromacy



Original Color

50.8041, 0.2486, 0.2715

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.7611, 0.2861, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8041, 0.2486, 0.2715 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, 194, 240)` looks like.

```
.text, #text, p{  
    color:rgb(144, 194, 240)  
}
```

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, 194, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 194, 240) }
```

Border

The CSS property to change the border of an element to Yxy 50.8041, 0.2486, 0.2715 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, 194, 240) }
```

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

```
.border{ border-color:rgb(144, 194, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 194, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 194, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 194, 240);  
box-shadow:4px 4px 4px 4px rgb(144, 194,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8041, 0.2486, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 194, 240) }
```

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

```
.background{ background-color: rgb(144,  
194, 240) }
```

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