

Converting Colors

$Y_{xy}(47.8810, 0.2512, 0.2586)$

Have a look what the booklet for
Yxy(47.8810, 0.2512, 0.2586)
contains.

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Color

Yxy(47.8810, 0.2512, 0.2586)

Conversions

Conversions Part 1

Format	Color
Hex	99B9F2
RGB	153, 185, 242
RGB Percent	60%, 73%, 95%
CMY	0.3999, 0.2745, 0.0511
CMYK	0.37, 0.24, 0.00, 0.05
HSL	218°, 77%, 77%
HSV	218°, 37%, 95%
XYZ	46.5109, 47.8810, 90.7628
YIQ	181.9300, -37.3690, 10.9430

Conversions

Conversions Part 2

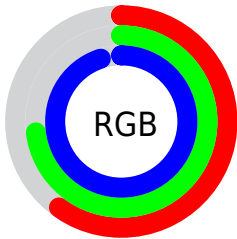
Format	Color
RYB	153, 177, 242
Decimal	10074610
CIELab	74.75, 2.85, -31.76
CIElCh	75, 31.888, 275.125
Yxy	47.8810, 0.2512, 0.2586
Android (android.graphics.Color)	4288264690 (0xFF99B9F2)
YUV	181.9300, 29.6145, -25.3716
Hunter-Lab	69.1961, -1.1126, -29.3320

Details

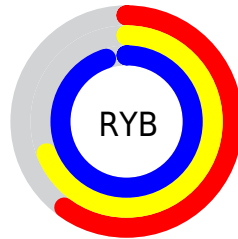
The Yxy color **47.8810, 0.2512, 0.2586** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.2547, 0.3795, 0.3903**, and the grayscale version is **46.5928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8322, 0.2853, 0.3143**, and **22.6444, 0.2345, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **39.6277, 0.2334, 0.2352**, and if you desaturate by 10%, it is **57.3220, 0.2689, 0.2804**.

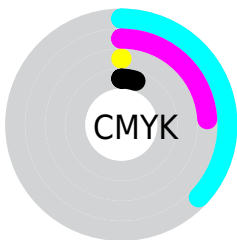
Distribution



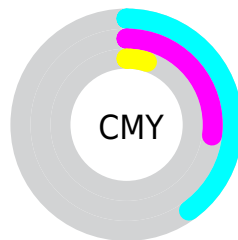
- Red (60%)
- Green (73%)
- Blue (95%)



- Red (60%)
- Yellow (69%)
- Blue (95%)



- Cyan (37%)
- Magenta (24%)
- Yellow (0%)
- Black (5%)



- Cyan (40%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8810, 0.2512, 0.2586 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 47.8810, 0.2512, 0.2586 by changing the saturation by 10% instead.

■ 47.8810, 0.2512,
0.2586

■ 47.8810, 0.2512,
0.2586

378.3202, 0.2812,
0.2926

■ 33.7327, 0.2441,
0.2506

■ 87.0272, 0.2619,
0.2706

■ 22.6883, 0.2351,
0.2405

■ 112.7938, 0.2659,
0.2752

■ 14.3635, 0.2236,
0.2277

143.2021, 0.2694,
0.2792

■ 8.3739, 0.2082,
0.2107

178.6362, 0.2724,
0.2826

■ 4.3351, 0.1871,
0.1876

219.4807, 0.2750,
0.2856

■ 1.8627, 0.1567,
0.1547

266.1200, 0.2773,

■ 0.5258, 0.1077,

0.2882

0.0994

318.9383, 0.2793,
0.2905

0.0000, 0.0000,
0.0000

47.8810, 0.2512,
0.2586

47.8810, 0.2512,
0.2586

39.6277, 0.2334,
0.2352

57.3220, 0.2689,
0.2804

32.5050, 0.2161,
0.2106

67.9932, 0.2860,
0.3003

26.4587, 0.2001,
0.1856

79.9418, 0.3023,
0.3181

21.4274, 0.1861,
0.1611

93.2105, 0.3175,
0.3339

17.3416, 0.1748,
0.1382

99.1884, 0.3203,
0.3415

■ 14.1186, 0.1666,
0.1179

■ 13.2255, 0.1644,
0.1119

Harmonies

Analogous

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



47.8810, 0.2334, 0.2727



47.8810, 0.2512, 0.2586



47.8810, 0.2855, 0.2618

Triad

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



47.8810, 0.2512, 0.2586



47.8810, 0.3974, 0.3445



47.8810, 0.2918, 0.3866

Complementary

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



47.8810, 0.2512, 0.2586



67.2547, 0.3795, 0.3903

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.



47.8810, 0.3355, 0.4077



47.8810, 0.2512, 0.2586



47.8810, 0.3982, 0.3786

Square

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



47.8810, 0.2512, 0.2586



47.8810, 0.3717, 0.3094



47.8810, 0.3748, 0.4030



47.8810, 0.2554, 0.3464

Rectangle

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



47.8810, 0.2512, 0.2586



47.8810, 0.3145, 0.2725



47.8810, 0.3748, 0.4030



47.8810, 0.3061, 0.3963

Sweetspot

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



47.8828, 0.2512, 0.2586



84.1321, 0.2955, 0.3107



74.8762, 0.2775, 0.3682



17.6158, 0.2933, 0.3083



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.



47.8828, 0.2512, 0.2586



46.9686, 0.2381, 0.2415



37.1858, 0.2539, 0.2201



16.1590, 0.2980, 0.3134



7.3426, 0.1653, 0.1149



0.7929, 0.1725, 0.1411

Inverse Universe

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



45.1638, 0.3696, 0.2941



44.2699, 0.3866, 0.2872



82.6212, 0.3595, 0.4233



15.8528, 0.3237, 0.3205



10.5346, 0.5539, 0.2825



0.8948, 0.5176, 0.2625

Previews

White Background



This preview shows how the Yxy color 47.8810, 0.2512, 0.2586 looks on a white background.

Color Contrast Check

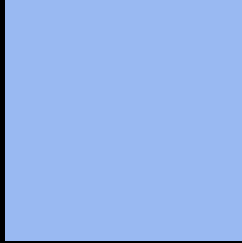
Large Text (above 18pt) WCAG AA × Fail

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 47.8810, 0.2512, 0.2586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

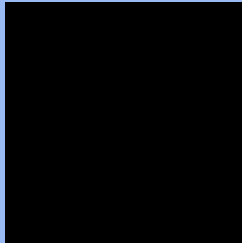
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

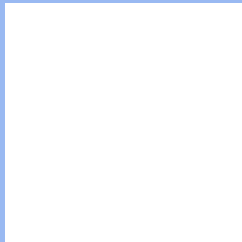
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8810, 0.2512, 0.2586

Background



This preview shows how black text looks on a background with the Yxy color 47.8810, 0.2512, 0.2586.



This preview shows how white text looks on a background with the Yxy color 47.8810, 0.2512, 0.2586.

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

47.8810, 0.2512, 0.2586

Protanopia

47.6046, 0.2620, 0.2585

Deuteranopia

47.9538, 0.2603, 0.2544



Tritanopia

47.7863, 0.2675, 0.3075

Trichromacy



Original Color

47.8810, 0.2512, 0.2586

Protanomaly

47.5337, 0.2582, 0.2581

Deuteranomaly

47.7135, 0.2565, 0.2549

Tritanomaly

47.8584, 0.2613, 0.2886

Monochromacy



Original Color

47.8810, 0.2512, 0.2586

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8845, 0.2873, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8810, 0.2512, 0.2586 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(153, 185, 242)` looks like.

```
.text, #text, p{  
    color:rgb(153, 185, 242)  
}
```

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(153, 185, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 185, 242) }
```

Border

The CSS property to change the border of an element to Yxy 47.8810, 0.2512, 0.2586 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(153, 185, 242) }
```

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

```
.border{ border-color:rgb(153, 185, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 185, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 185, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 185, 242);  
box-shadow:4px 4px 4px 4px rgb(153, 185,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8810, 0.2512, 0.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 185, 242) }
```

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

```
.background{ background-color: rgb(153,  
185, 242) }
```

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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