

Converting Colors

$Yxy(47.1475, 0.2414, 0.2590)$

Have a look what the booklet for
Yxy(47.1475, 0.2414, 0.2590)
contains.

Yxy(47.1857, 0.2416, 0.2594)	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(47.1857, 0.2416, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	88BBF2
RGB	136, 187, 242
RGB Percent	53%, 73%, 95%
CMY	0.4666, 0.2666, 0.0511
CMYK	0.44, 0.23, 0.00, 0.05
HSL	211°, 80%, 74%
HSV	211°, 44%, 95%
XYZ	43.9478, 47.1857, 90.7697
YIQ	178.0210, -48.0510, 6.2930

Conversions

Conversions Part 2

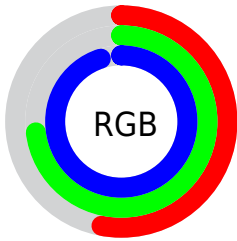
Format	Color
R _Y B	136, 170, 242
Decimal	8961010
CIE Lab	74.31, -2.62, -32.53
CIE LCh	74, 32.632, 265.388
Yxy	47.1857, 0.2416, 0.2594
Android (android.graphics.Color)	4287151090 (0xFF88BBF2)
YUV	178.0210, 31.5416, -36.8524
Hunter-Lab	68.6918, -6.0096, -30.2618

Details

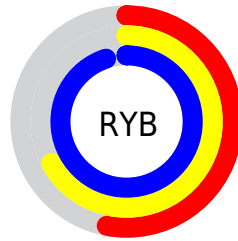
The Yxy color **47.1857, 0.2416, 0.2594** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.9007, 0.4008, 0.3888**, and the grayscale version is **44.3835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6586, 0.2757, 0.3161**, and **22.3008, 0.2233, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **40.2896, 0.2257, 0.2399**, and if you desaturate by 10%, it is **55.0082, 0.2581, 0.2778**.

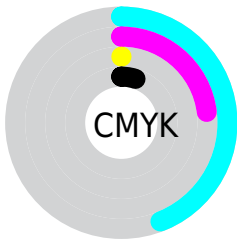
Distribution



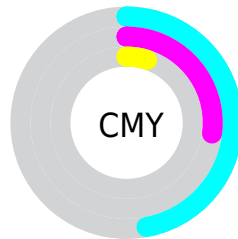
- Red (53%)
- Green (73%)
- Blue (95%)



- Red (53%)
- Yellow (67%)
- Blue (95%)



- Cyan (44%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)



- Cyan (47%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1857, 0.2416, 0.2594 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 47.1857, 0.2416, 0.2594 by changing the saturation by 10% instead.

■ 47.1857, 0.2416,
0.2594

■ 47.1857, 0.2416,
0.2594

■ 375.5553, 0.2760,
0.2934

■ 33.1825, 0.2334,
0.2513

■ 85.9907, 0.2538,
0.2715

■ 22.2663, 0.2233,
0.2411

■ 111.5614, 0.2585,
0.2761

■ 14.0527, 0.2102,
0.2280

■ 141.7566, 0.2625,
0.2801

■ 8.1573, 0.1930,
0.2107

■ 176.9608, 0.2659,
0.2835

■ 4.1958, 0.1696,
0.1868

■ 217.5583, 0.2689,
0.2864

■ 1.7837, 0.1367,
0.1528

■ 263.9337, 0.2716,

■ 0.4770, 0.0769,

0.2890

0.0943

316.4712, 0.2739,
0.2913

0.0000, 0.0000,
0.0000

47.1857, 0.2416,
0.2594

47.1857, 0.2416,
0.2594

40.2896, 0.2257,
0.2399

55.0082, 0.2581,
0.2778

34.2714, 0.2109,
0.2196

63.7913, 0.2748,
0.2948

29.0857, 0.1979,
0.1991

73.5739, 0.2911,
0.3102

24.6789, 0.1871,
0.1790

84.3908, 0.3069,
0.3241

20.9881, 0.1787,
0.1599

95.8939, 0.3207,
0.3365

■ 19.0038, 0.1747,
0.1487

■ 99.1889, 0.3203,
0.3415

Harmonies

Analogous

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



47.1857, 0.2296, 0.2796



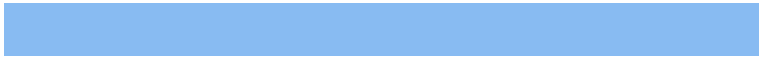
47.1857, 0.2416, 0.2594



47.1857, 0.2717, 0.2572

Triad

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



47.1857, 0.2416, 0.2594



47.1857, 0.3939, 0.3329



47.1857, 0.3054, 0.3982

Complementary

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



47.1857, 0.2416, 0.2594



57.9007, 0.4008, 0.3888

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.



47.1857, 0.3502, 0.4112



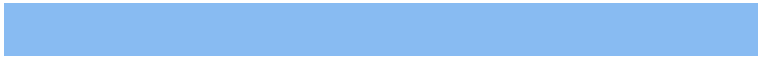
47.1857, 0.2416, 0.2594



47.1857, 0.4033, 0.3690

Square

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



47.1857, 0.2416, 0.2594



47.1857, 0.3605, 0.2982



47.1857, 0.3866, 0.3986



47.1857, 0.2645, 0.3615

Rectangle

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



47.1857, 0.2416, 0.2594



47.1857, 0.2996, 0.2649



47.1857, 0.3866, 0.3986



47.1857, 0.3205, 0.4056

Sweetspot

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



47.1875, 0.2416, 0.2594



83.7609, 0.2923, 0.3113



72.4715, 0.2784, 0.3935



17.3808, 0.2888, 0.3081



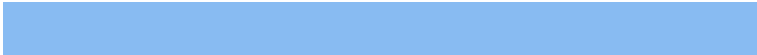
0.0000, 0.0000, 0.0000



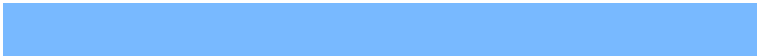
21.4041, 0.3127, 0.3290

Same Dimension

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



47.1875, 0.2416, 0.2594



45.8555, 0.2267, 0.2412



29.4057, 0.2313, 0.1929



16.4841, 0.2980, 0.3164



10.4827, 0.1755, 0.1517



1.0703, 0.1822, 0.1760

Inverse Universe

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



40.0720, 0.3716, 0.2738



38.1552, 0.3908, 0.2630



83.8238, 0.3766, 0.4373



15.8856, 0.3218, 0.3177



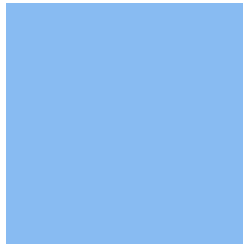
10.8516, 0.5038, 0.2549



0.9228, 0.4733, 0.2381

Previews

White Background



This preview shows how the Yxy color 47.1857, 0.2416, 0.2594 looks on a white background.

Color Contrast Check

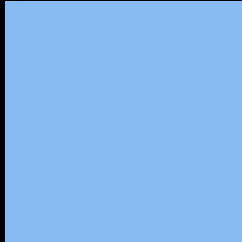
Large Text (above 18pt) WCAG AA × Fail

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 47.1857, 0.2416, 0.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

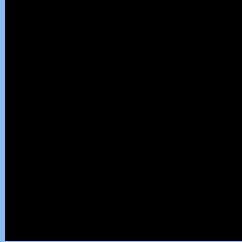
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

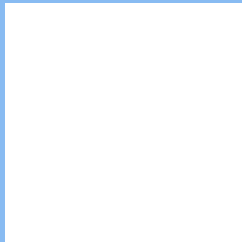
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1857, 0.2416, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 47.1857, 0.2416, 0.2594.



This preview shows how white text looks on a background with the Yxy color 47.1857, 0.2416, 0.2594.

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

47.1857, 0.2416, 0.2594

Protanopia

46.9724, 0.2624, 0.2592

Deuteranopia

46.8788, 0.2574, 0.2505



Tritanopia

47.2554, 0.2555, 0.3069

Trichromacy



Original Color

47.1857, 0.2416, 0.2594

Protanomaly

47.1669, 0.2544, 0.2596

Deuteranomaly

46.8955, 0.2513, 0.2539

Tritanomaly

47.2279, 0.2501, 0.2889

Monochromacy



Original Color

47.1857, 0.2416, 0.2594

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0513, 0.2831, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1857, 0.2416, 0.2594 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(136, 187, 242)` looks like.

```
.text, #text, p{  
    color:rgb(136, 187, 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(136, 187, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 187, 242) }
```

Border

The CSS property to change the border of an element to Yxy 47.1857, 0.2416, 0.2594 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(136, 187, 242) }
```

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

```
.border{ border-color:rgb(136, 187, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 187, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 187, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 187, 242);  
box-shadow:4px 4px 4px 4px rgb(136, 187,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1857, 0.2416, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 187, 242) }
```

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

```
.background{ background-color: rgb(136,  
187, 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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