

Converting Colors

$Yxy(47.3569, 0.2413, 0.2747)$

Have a look what the booklet for
Yxy(47.3569, 0.2413, 0.2747)
contains.

Yxy(47.4478, 0.2416, 0.2752)	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(47.4478, 0.2416, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	7DBFE8
RGB	125, 191, 232
RGB Percent	49%, 75%, 91%
CMY	0.5098, 0.2510, 0.0902
CMYK	0.46, 0.18, 0.00, 0.09
HSL	203°, 70%, 70%
HSV	203°, 46%, 91%
XYZ	41.6548, 47.4478, 83.3095
YIQ	175.9400, -52.4970, -1.2410

Conversions

Conversions Part 2

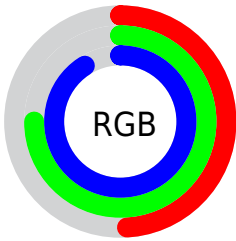
Format	Color
R _Y B	125, 166, 232
Decimal	8241128
CIE Lab	74.48, -10.19, -26.93
CIE LCh	74, 28.796, 249.280
Yxy	47.4478, 0.2416, 0.2752
Android (android.graphics.Color)	4286431208 (0xFF7DBFE8)
YUV	175.9400, 27.6376, -44.6744
Hunter-Lab	68.8824, -12.6011, -23.4904

Details

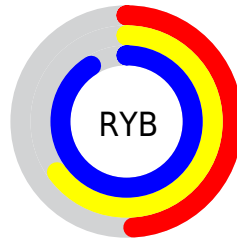
The Yxy color **47.4478, 0.2416, 0.2752** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.9148, 0.4145, 0.3759**, and the grayscale version is **43.2591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6866, 0.2702, 0.3202**, and **22.5048, 0.2233, 0.2612** is the 20% darker color. If you saturate the color by 10%, you get **42.1414, 0.2278, 0.2610**, and if you desaturate by 10%, it is **53.4009, 0.2565, 0.2887**.

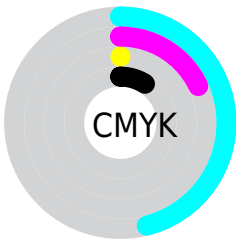
Distribution



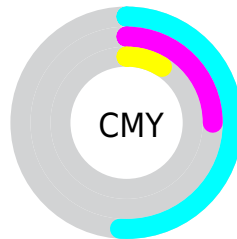
- Red (49%)
- Green (75%)
- Blue (91%)



- Red (49%)
- Yellow (65%)
- Blue (91%)



- Cyan (46%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4478, 0.2416, 0.2752 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 47.4478, 0.2416, 0.2752 by changing the saturation by 10% instead.

■ 47.4478, 0.2416,
0.2752

■ 47.4478, 0.2416,
0.2752

■ 376.5991, 0.2760,
0.3021

■ 33.3898, 0.2334,
0.2686

■ 86.3817, 0.2538,
0.2849

■ 22.4252, 0.2233,
0.2602

■ 112.0263, 0.2585,
0.2886

■ 14.1697, 0.2102,
0.2492

■ 142.3020, 0.2624,
0.2917

■ 8.2388, 0.1929,
0.2343

■ 177.5930, 0.2659,
0.2944

■ 4.2481, 0.1691,
0.2131

■ 218.2839, 0.2689,
0.2967

■ 1.8133, 0.1353,
0.1813

■ 264.7589, 0.2715,

■ 0.4954, 0.0556,

0.2987

0.1239

317.4025, 0.2739,
0.3005

0.0000, 0.0000,
0.0000

47.4478, 0.2416,
0.2752

47.4478, 0.2416,
0.2752

42.1414, 0.2278,
0.2610

53.4009, 0.2565,
0.2887

37.4435, 0.2154,
0.2463

60.0256, 0.2719,
0.3012

33.3190, 0.2048,
0.2313

67.3512, 0.2877,
0.3127

29.7255, 0.1963,
0.2164

75.4039, 0.3033,
0.3231

26.6113, 0.1900,
0.2019

84.2081, 0.3186,
0.3325

■ 25.4998, 0.1879,
0.1963

■ 91.9974, 0.3272,
0.3411

■ 97.4879, 0.3264,
0.3496

■ 98.6065, 0.3262,
0.3513

Harmonies

Analogous

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



47.4478, 0.2404, 0.3018



47.4478, 0.2416, 0.2752



47.4478, 0.2603, 0.2643

Triad

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



47.4478, 0.2416, 0.2752



47.4478, 0.3705, 0.3156



47.4478, 0.3282, 0.3986

Complementary

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



47.4478, 0.2416, 0.2752



45.9148, 0.4145, 0.3759

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.



47.4478, 0.3649, 0.3980



47.4478, 0.2416, 0.2752



47.4478, 0.3909, 0.3481

Square

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



47.4478, 0.2416, 0.2752



47.4478, 0.3339, 0.2875



47.4478, 0.3885, 0.3783



47.4478, 0.2887, 0.3765

Rectangle

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



47.4478, 0.2416, 0.2752



47.4478, 0.2811, 0.2659



47.4478, 0.3885, 0.3783



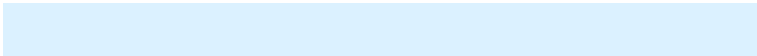
47.4478, 0.3413, 0.4009

Sweetspot

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



47.4496, 0.2416, 0.2752



85.4262, 0.2909, 0.3149



64.7657, 0.2856, 0.4200



17.8386, 0.2875, 0.3126



0.0000, 0.0000, 0.0000



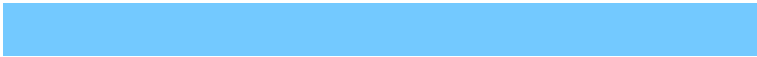
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4496, 0.2416, 0.2752



52.7391, 0.2289, 0.2622



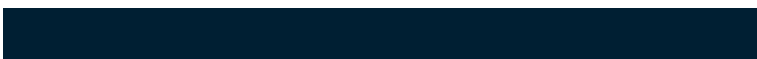
28.7325, 0.2287, 0.2035



15.3600, 0.2981, 0.3198



14.4067, 0.1885, 0.1987



1.2430, 0.1944, 0.2197

Inverse Universe

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



35.5881, 0.3595, 0.2558



37.6935, 0.3731, 0.2428



68.6450, 0.3874, 0.4290



14.5167, 0.3196, 0.3146



10.6521, 0.4468, 0.2235



0.8052, 0.4235, 0.2107

Previews

White Background



This preview shows how the Yxy color 47.4478, 0.2416, 0.2752 looks on a white background.

Color Contrast Check

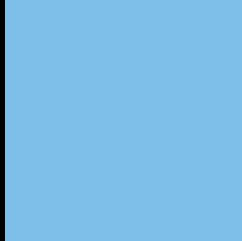
Large Text (above 18pt) WCAG AA × Fail

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 47.4478, 0.2416, 0.2752 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

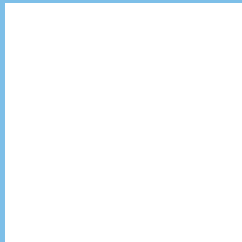
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4478, 0.2416, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 47.4478, 0.2416, 0.2752.

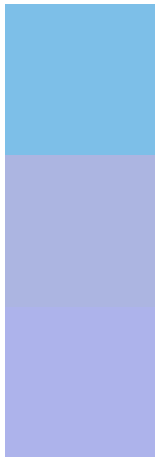


This preview shows how white text looks on a background with the Yxy color 47.4478, 0.2416, 0.2752.

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

47.4478, 0.2416, 0.2752

Protanopia

47.2546, 0.2736, 0.2743

Deuteranopia

47.1226, 0.2677, 0.2609



Tritanopia

47.6053, 0.2509, 0.3082

Trichromacy



Original Color

47.4478, 0.2416, 0.2752

Protanomaly

47.2679, 0.2604, 0.2743

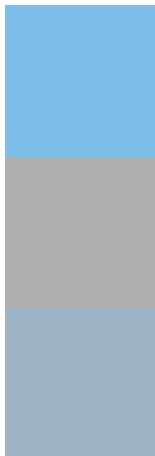
Deuteranomaly

46.8754, 0.2572, 0.2650

Tritanomaly

47.7105, 0.2474, 0.2964

Monochromacy



Original Color

47.4478, 0.2416, 0.2752

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.2014, 0.2820, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4478, 0.2416, 0.2752 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(125, 191, 232)` looks like.

```
.text, #text, p{  
    color:rgb(125, 191, 232)  
}
```

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(125, 191, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 191, 232) }
```

Border

The CSS property to change the border of an element to Yxy 47.4478, 0.2416, 0.2752 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(125, 191, 232) }
```

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

```
.border{ border-color:rgb(125, 191, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 191, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 191, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 191, 232);  
box-shadow:4px 4px 4px 4px rgb(125, 191,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4478, 0.2416, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 191, 232) }
```

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

```
.background{ background-color: rgb(125,  
191, 232) }
```

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