

Converting Colors

$Yxy(42.5692, 0.2477, 0.2618)$

Have a look what the booklet for
Yxy(42.5692, 0.2477, 0.2618)
contains.

Yxy(42.4490, 0.2480, 0.2618)	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(42.4490, 0.2480, 0.2618)

Conversions

Conversions Part 1

Format	Color
Hex	8AB1E4
RGB	138, 177, 228
RGB Percent	54%, 69%, 89%
CMY	0.4587, 0.3059, 0.1058
CMYK	0.39, 0.22, 0.00, 0.11
HSL	214°, 63%, 72%
HSV	214°, 39%, 89%
XYZ	40.2114, 42.4490, 79.4824
YIQ	171.1530, -39.6150, 7.5930

Conversions

Conversions Part 2

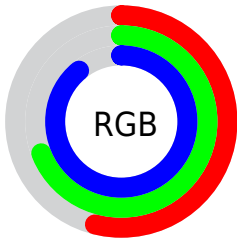
Format	Color
RYB	138, 165, 228
Decimal	9089508
CIELab	71.18, -0.42, -29.77
CIELCh	71, 29.774, 269.192
Yxy	42.4490, 0.2480, 0.2618
Android (android.graphics.Color)	4287279588 (0xFF8AB1E4)
YUV	171.1530, 28.0256, -29.0752
Hunter-Lab	65.1529, -3.8499, -26.7230

Details

The Yxy color **42.4490, 0.2480, 0.2618** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.7473, 0.3879, 0.3875**, and the grayscale version is **40.6806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9672, 0.2753, 0.3052**, and **19.5306, 0.2310, 0.2448** is the 20% darker color. If you saturate the color by 10%, you get **35.8379, 0.2312, 0.2409**, and if you desaturate by 10%, it is **49.9554, 0.2650, 0.2813**.

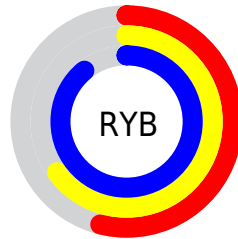
Distribution



Red (54%)

Green (69%)

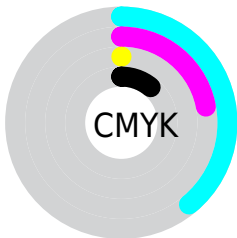
Blue (89%)



Red (54%)

Yellow (65%)

Blue (89%)

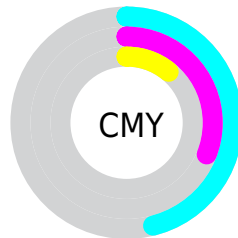


Cyan (39%)

Magenta (22%)

Yellow (0%)

Black (11%)



Cyan (46%)

Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4490, 0.2480, 0.2618 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 42.4490, 0.2480, 0.2618 by changing the saturation by 10% instead.

■ 42.4490, 0.2480,
0.2618

■ 42.4490, 0.2480,
0.2618

■ 356.3409, 0.2801,
0.2951

■ 29.4530, 0.2402,
0.2537

■ 78.8787, 0.2595,
0.2738

■ 19.4238, 0.2303,
0.2434

■ 103.0813, 0.2639,
0.2783

■ 11.9769, 0.2174,
0.2300

■ 131.7881, 0.2676,
0.2822

■ 6.7280, 0.2001,
0.2119

■ 165.3837, 0.2708,
0.2855

■ 3.2926, 0.1759,
0.1865

■ 204.2523, 0.2736,
0.2884

■ 1.2863, 0.1403,
0.1492

■ 248.7785, 0.2760,

■ 0.1306, 0.0368,

0.2909

0.0422

299.3465, 0.2782,
0.2932

0.0000, 0.0000,
0.0000

42.4490, 0.2480,
0.2618

42.4490, 0.2480,
0.2618

35.8379, 0.2312,
0.2409

49.9554, 0.2650,
0.2813

30.0782, 0.2153,
0.2191

58.3886, 0.2818,
0.2992

25.1287, 0.2007,
0.1968

67.7843, 0.2981,
0.3153

20.9422, 0.1882,
0.1749

78.1747, 0.3135,
0.3297

17.4643, 0.1783,
0.1540

89.5905, 0.3280,
0.3425

■ 14.6157, 0.1709,
0.1348

■ 98.1023, 0.3286,
0.3548

■ 14.4766, 0.1705,
0.1339

■ 98.3822, 0.3286,
0.3552

Harmonies

Analogous

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



42.4490, 0.2342, 0.2790



42.4490, 0.2480, 0.2618



42.4490, 0.2786, 0.2616

Triad

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



42.4490, 0.2480, 0.2618



42.4490, 0.3919, 0.3373



42.4490, 0.3006, 0.3907

Complementary

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



42.4490, 0.2480, 0.2618



54.7473, 0.3879, 0.3875

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.



42.4490, 0.3432, 0.4064



42.4490, 0.2480, 0.2618



42.4490, 0.3976, 0.3713

Square

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



42.4490, 0.2480, 0.2618



42.4490, 0.3628, 0.3037



42.4490, 0.3792, 0.3976



42.4490, 0.2630, 0.3544

Rectangle

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



42.4490, 0.2480, 0.2618



42.4490, 0.3059, 0.2702



42.4490, 0.3792, 0.3976



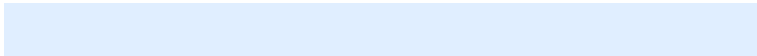
42.4490, 0.3148, 0.3987

Sweetspot

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



42.4506, 0.2480, 0.2618



84.0774, 0.2939, 0.3113



64.5753, 0.2788, 0.3796



17.6492, 0.2918, 0.3092



0.0000, 0.0000, 0.0000



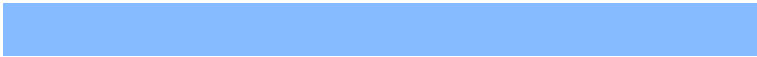
21.4041, 0.3127, 0.3290

Same Dimension

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



42.4506, 0.2480, 0.2618



47.9452, 0.2348, 0.2456



29.7191, 0.2443, 0.2098



14.9086, 0.2981, 0.3153



8.5840, 0.1713, 0.1366



0.8161, 0.1792, 0.1650

Inverse Universe

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



37.8556, 0.3681, 0.2842



42.2198, 0.3844, 0.2756



72.8624, 0.3671, 0.4282



14.4711, 0.3225, 0.3189



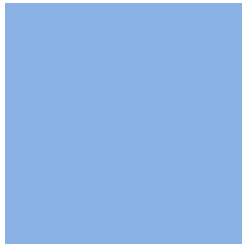
10.0643, 0.5236, 0.2658



0.7621, 0.4868, 0.2455

Previews

White Background



This preview shows how the Yxy color 42.4490, 0.2480, 0.2618 looks on a white background.

Color Contrast Check

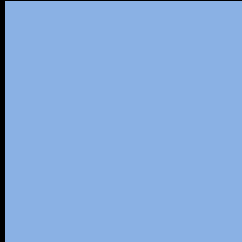
Large Text (above 18pt) WCAG AA × Fail

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 42.4490, 0.2480, 0.2618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

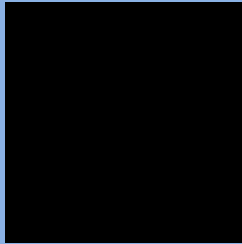
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

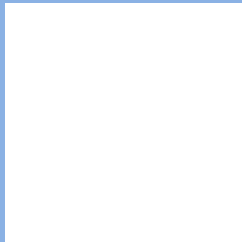
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4490, 0.2480, 0.2618

Background



This preview shows how black text looks on a background with the Yxy color 42.4490, 0.2480, 0.2618.



This preview shows how white text looks on a background with the Yxy color 42.4490, 0.2480, 0.2618.

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

42.4490, 0.2480, 0.2618

Protanopia

42.3604, 0.2644, 0.2623

Deuteranopia

42.2565, 0.2611, 0.2554



Tritanopia

42.6440, 0.2624, 0.3090

Trichromacy



Original Color

42.4490, 0.2480, 0.2618

Protanomaly

42.3837, 0.2584, 0.2628

Deuteranomaly

42.2197, 0.2558, 0.2569

Tritanomaly

42.5884, 0.2573, 0.2915

Monochromacy



Original Color

42.4490, 0.2480, 0.2618

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.0638, 0.2859, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4490, 0.2480, 0.2618 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(138, 177, 228)` looks like.

```
.text, #text, p{  
    color:rgb(138, 177, 228)  
}
```

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(138, 177, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 177, 228) }
```

Border

The CSS property to change the border of an element to Yxy 42.4490, 0.2480, 0.2618 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(138, 177, 228) }
```

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

```
.border{ border-color:rgb(138, 177, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 177, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 177, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 177, 228);  
box-shadow:4px 4px 4px 4px rgb(138, 177,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4490, 0.2480, 0.2618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 177, 228) }
```

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

```
.background{ background-color: rgb(138,  
177, 228) }
```

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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