

Converting Colors

$Yxy(46.7293, 0.2493, 0.2748)$

Have a look what the booklet for
Yxy(46.7293, 0.2493, 0.2748)
contains.

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Color

Yxy(46.5162, 0.2490, 0.2742)

Conversions

Conversions Part 1

Format	Color
Hex	89BBE5
RGB	137, 187, 229
RGB Percent	54%, 73%, 90%
CMY	0.4624, 0.2667, 0.1019
CMYK	0.40, 0.18, 0.00, 0.10
HSL	207°, 64%, 72%
HSV	207°, 40%, 90%
XYZ	42.2412, 46.5162, 80.8859
YIQ	176.8380, -43.2820, 2.4620

Conversions

Conversions Part 2

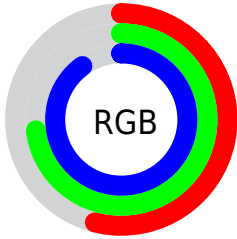
Format	Color
R _Y B	137, 169, 229
Decimal	9026533
CIE Lab	73.88, -5.84, -26.17
CIE LCh	74, 26.815, 257.410
Yxy	46.5162, 0.2490, 0.2742
Android (android.graphics.Color)	4287216613 (0xFF89BBE5)
YUV	176.8380, 25.7159, -34.9379
Hunter-Lab	68.2028, -8.8014, -22.5738

Details

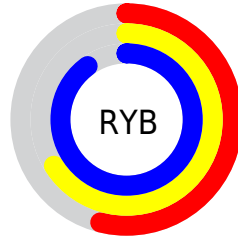
The Yxy color **46.5162, 0.2490, 0.2742** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.7544, 0.3941, 0.3775**, and the grayscale version is **43.7669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6586, 0.2757, 0.3161**, and **21.8612, 0.2323, 0.2598** is the 20% darker color. If you saturate the color by 10%, you get **40.5008, 0.2336, 0.2576**, and if you desaturate by 10%, it is **53.2698, 0.2650, 0.2898**.

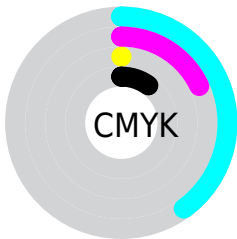
Distribution



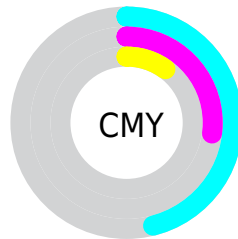
- Red (54%)
- Green (73%)
- Blue (90%)



- Red (54%)
- Yellow (66%)
- Blue (90%)



- Cyan (40%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)



- Cyan (46%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5162, 0.2490, 0.2742 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 46.5162, 0.2490, 0.2742 by changing the saturation by 10% instead.

■ 46.5162, 0.2490,
0.2742

■ 46.5162, 0.2490,
0.2742

372.8801, 0.2801,
0.3014

■ 32.6534, 0.2416,
0.2675

■ 84.9910, 0.2601,
0.2840

■ 21.8610, 0.2322,
0.2591

■ 110.3718, 0.2643,
0.2877

■ 13.7548, 0.2201,
0.2480

■ 140.3606, 0.2679,
0.2909

■ 7.9503, 0.2039,
0.2330

175.3420, 0.2710,
0.2936

■ 4.0632, 0.1814,
0.2118

215.7002, 0.2737,
0.2959

■ 1.7090, 0.1487,
0.1798

261.8197, 0.2761,

■ 0.4295, 0.0717,

0.2980

0.1160

314.0848, 0.2782,
0.2998

0.0000, 0.0000,
0.0000

46.5162, 0.2490,
0.2742

46.5162, 0.2490,
0.2742

40.5008, 0.2336,
0.2576

53.2698, 0.2650,
0.2898

35.1853, 0.2193,
0.2401

60.7870, 0.2811,
0.3041

30.5351, 0.2064,
0.2222

69.0979, 0.2970,
0.3171

26.5095, 0.1956,
0.2042

78.2294, 0.3125,
0.3289

23.0612, 0.1870,
0.1867

88.2070, 0.3273,
0.3393

■ 20.1502, 0.1806,
0.1701

■ 95.1676, 0.3285,
0.3493

■ 98.4376, 0.3280,
0.3542

Harmonies

Analogous

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



46.5162, 0.2433, 0.2956



46.5162, 0.2490, 0.2742



46.5162, 0.2708, 0.2679

Triad

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



46.5162, 0.2490, 0.2742



46.5162, 0.3739, 0.3247



46.5162, 0.3171, 0.3903

Complementary

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



46.5162, 0.2490, 0.2742



50.7544, 0.3941, 0.3775

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.



46.5162, 0.3533, 0.3958



46.5162, 0.2490, 0.2742



46.5162, 0.3875, 0.3554

Square

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



46.5162, 0.2490, 0.2742



46.5162, 0.3428, 0.2965



46.5162, 0.3796, 0.3818



46.5162, 0.2811, 0.3649

Rectangle

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



46.5162, 0.2490, 0.2742



46.5162, 0.2924, 0.2719



46.5162, 0.3796, 0.3818



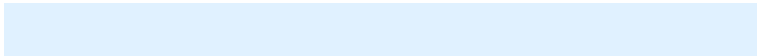
46.5162, 0.3297, 0.3946

Sweetspot

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



46.5180, 0.2490, 0.2742



86.0478, 0.2940, 0.3147



64.6018, 0.2841, 0.3953



18.1125, 0.2919, 0.3131



0.0000, 0.0000, 0.0000



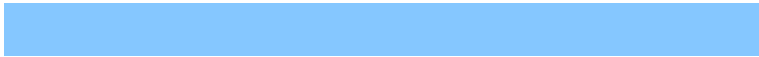
21.4041, 0.3127, 0.3290

Same Dimension

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



46.5180, 0.2490, 0.2742



53.0393, 0.2364, 0.2607



30.2369, 0.2393, 0.2122



15.1770, 0.2981, 0.3180



11.7639, 0.1813, 0.1727



1.0546, 0.1882, 0.1974

Inverse Universe

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



38.1640, 0.3585, 0.2723



42.0511, 0.3721, 0.2613



72.0013, 0.3745, 0.4239



14.4982, 0.3208, 0.3163



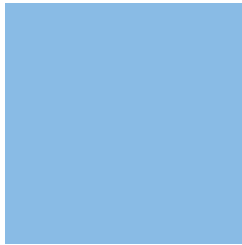
10.3853, 0.4773, 0.2403



0.7861, 0.4482, 0.2243

Previews

White Background



This preview shows how the Yxy color 46.5162, 0.2490, 0.2742 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 46.5162, 0.2490, 0.2742 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 46.5162, 0.2490, 0.2742

Background



This preview shows how black text looks on a background with the Yxy color 46.5162, 0.2490, 0.2742.



This preview shows how white text looks on a background with the Yxy color 46.5162, 0.2490, 0.2742.

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

46.5162, 0.2490, 0.2742

Protanopia

46.2258, 0.2740, 0.2739

Deuteranopia

46.3810, 0.2694, 0.2638



Tritanopia

46.5431, 0.2592, 0.3083

Trichromacy



Original Color

46.5162, 0.2490, 0.2742

Protanomaly

46.2631, 0.2645, 0.2742

Deuteranomaly

46.1318, 0.2613, 0.2672

Tritanomaly

46.6685, 0.2556, 0.2965

Monochromacy



Original Color

46.5162, 0.2490, 0.2742

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.7147, 0.2859, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5162, 0.2490, 0.2742 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(137, 187, 229)` looks like.

```
.text, #text, p{  
    color:rgb(137, 187, 229)  
}
```

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(137, 187, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 187, 229) }
```

Border

The CSS property to change the border of an element to Yxy 46.5162, 0.2490, 0.2742 is called "border". The border property can be set on classes, ids or directly on the HTML element.

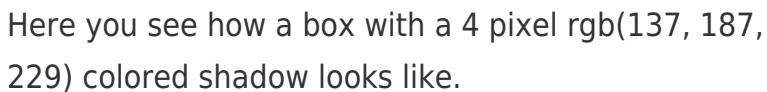
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 187, 229) }
```

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

```
.border{ border-color:rgb(137, 187, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 187, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 187, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 187, 229); box-shadow:4px 4px 4px 4px rgb(137, 187, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5162, 0.2490, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 187, 229) }
```

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

```
.background{ background-color: rgb(137,  
187, 229) }
```

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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