

Converting Colors

$Yxy(46.5799, 0.2446, 0.2895)$

Have a look what the booklet for
Yxy(46.5799, 0.2446, 0.2895)
contains.

Yxy(46.3508, 0.2446, 0.2895)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.3508, 0.2446, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	77BFDC
RGB	119, 191, 220
RGB Percent	47%, 75%, 86%
CMY	0.5331, 0.2510, 0.1372
CMYK	0.46, 0.13, 0.00, 0.14
HSL	197°, 59%, 66%
HSV	197°, 46%, 86%
XYZ	39.1620, 46.3508, 74.5936
YIQ	172.7780, -52.2210, -6.2450

Conversions

Conversions Part 2

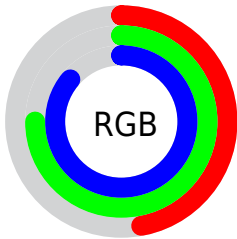
Format	Color
R _Y B	119, 161, 220
Decimal	7847900
CIE Lab	73.77, -14.89, -21.53
CIE LCh	74, 26.178, 235.330
Yxy	46.3508, 0.2446, 0.2895
Android (android.graphics.Color)	4286037980 (0xFF77BFDC)
YUV	172.7780, 23.2804, -47.1633
Hunter-Lab	68.0814, -16.4651, -17.3042

Details

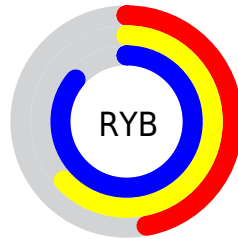
The Yxy color **46.3508, 0.2446, 0.2895** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.7486, 0.4191, 0.3641**, and the grayscale version is **41.5762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9716, 0.2671, 0.3202**, and **21.8857, 0.2266, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **42.2730, 0.2320, 0.2792**, and if you desaturate by 10%, it is **50.9114, 0.2584, 0.2993**.

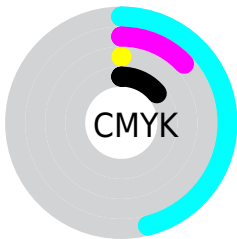
Distribution



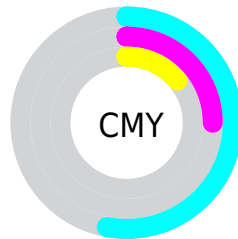
- Red (47%)
- Green (75%)
- Blue (86%)



- Red (47%)
- Yellow (63%)
- Blue (86%)



- Cyan (46%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)




- Cyan (53%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3508, 0.2446, 0.2895 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 46.3508, 0.2446, 0.2895 by changing the saturation by 10% instead.


 46.3508, 0.2446,
0.2895

 46.3508, 0.2446,
0.2895


372.2172, 0.2777,
0.3097


 32.5227, 0.2367,
0.2844


 84.7438, 0.2564,
0.2969

 21.7611, 0.2267,
0.2777


 110.0774, 0.2609,
0.2997

 13.6815, 0.2138,
0.2689

 140.0151, 0.2647,
0.3020

 7.8994, 0.1965,
0.2566

174.9412, 0.2681,
0.3040

 4.0307, 0.1726,
0.2384

215.2400, 0.2710,
0.3057

 1.6907, 0.1376,
0.2096

261.2960, 0.2735,

 0.4176, 0.0120,

0.3072

0.1495

313.4936, 0.2757,
0.3086

0.0000, 0.0000,
0.0000

46.3508, 0.2446,
0.2895

46.3508, 0.2446,
0.2895

42.2730, 0.2320,
0.2792

50.9114, 0.2584,
0.2993

38.6462, 0.2210,
0.2685

55.9738, 0.2731,
0.3085

35.4420, 0.2118,
0.2576

61.5622, 0.2883,
0.3170

32.6258, 0.2046,
0.2466

67.6973, 0.3037,
0.3248

30.1550, 0.1994,
0.2359

74.3986, 0.3190,
0.3318

■ 29.2084, 0.1976,
0.2315

■ 81.6846, 0.3341,
0.3381

■ 85.9860, 0.3360,
0.3442

■ 89.6757, 0.3351,
0.3504

■ 93.4954, 0.3343,
0.3564

Harmonies

Analogous

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



46.3508, 0.2514, 0.3196



46.3508, 0.2446, 0.2895



46.3508, 0.2546, 0.2723

Triad

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



46.3508, 0.2446, 0.2895



46.3508, 0.3513, 0.3039



46.3508, 0.3437, 0.3949

Complementary

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



46.3508, 0.2446, 0.2895



37.7486, 0.4191, 0.3641

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.



46.3508, 0.3728, 0.3858



46.3508, 0.2446, 0.2895



46.3508, 0.3780, 0.3328

Square

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



46.3508, 0.2446, 0.2895



46.3508, 0.3147, 0.2815



46.3508, 0.3858, 0.3624



46.3508, 0.3074, 0.3840

Rectangle

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



46.3508, 0.2446, 0.2895



46.3508, 0.2698, 0.2691



46.3508, 0.3858, 0.3624



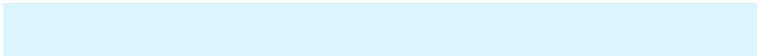
46.3508, 0.3547, 0.3939

Sweetspot

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



46.3526, 0.2446, 0.2895



87.4752, 0.2910, 0.3185



57.2407, 0.2904, 0.4315



18.3397, 0.2876, 0.3167



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.



46.3526, 0.2446, 0.2895



59.2955, 0.2325, 0.2796



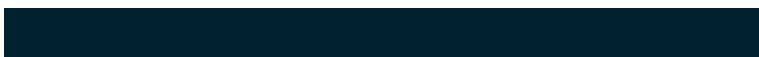
28.1213, 0.2316, 0.2168



14.1644, 0.2982, 0.3221



17.3412, 0.1981, 0.2331



1.2682, 0.2030, 0.2506

Inverse Universe

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



32.1840, 0.3480, 0.2460



38.3553, 0.3583, 0.2307



56.9971, 0.3910, 0.4199



13.2077, 0.3181, 0.3125



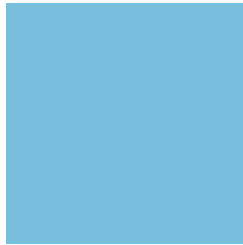
10.3744, 0.4094, 0.2029



0.6867, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 46.3508, 0.2446, 0.2895 looks on a white background.

Color Contrast Check

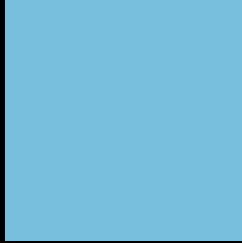
Large Text (above 18pt) WCAG AA × Fail

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 46.3508, 0.2446, 0.2895 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 46.3508, 0.2446, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 46.3508, 0.2446, 0.2895.



This preview shows how white text looks on a background with the Yxy color 46.3508, 0.2446, 0.2895.

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

46.3508, 0.2446, 0.2895

Protanopia

45.9923, 0.2837, 0.2871

Deuteranopia

46.0021, 0.2775, 0.2719



Tritanopia

46.4070, 0.2499, 0.3079

Trichromacy



Original Color

46.3508, 0.2446, 0.2895

Protanomaly

45.6433, 0.2674, 0.2870

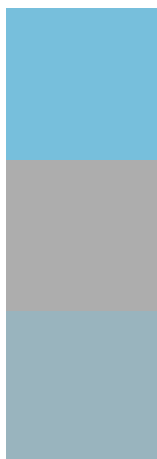
Deuteranomaly

45.6984, 0.2636, 0.2774

Tritanomaly

46.2346, 0.2480, 0.3012

Monochromacy



Original Color

46.3508, 0.2446, 0.2895

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.1325, 0.2831, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3508, 0.2446, 0.2895 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(119, 191, 220)` looks like.

```
.text, #text, p{  
    color:rgb(119, 191, 220)  
}
```

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(119, 191, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 191, 220) }
```

Border

The CSS property to change the border of an element to Yxy 46.3508, 0.2446, 0.2895 is called "border". The border property can be set on classes, ids or directly on the HTML element.

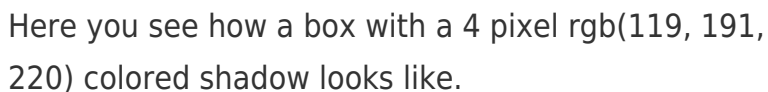
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 191, 220) }
```

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

```
.border{ border-color:rgb(119, 191, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 191, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 191, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 191, 220);  
box-shadow:4px 4px 4px 4px rgb(119, 191,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3508, 0.2446, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 191, 220) }
```

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

```
.background{ background-color: rgb(119,  
191, 220) }
```

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