

Converting Colors

$Yxy(44.4309, 0.2354, 0.2624)$

Have a look what the booklet for
Yxy(44.4309, 0.2354, 0.2624)
contains.

Yxy(44.6180, 0.2355, 0.2630)	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(44.6180, 0.2355, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	77B9EB
RGB	119, 185, 235
RGB Percent	47%, 73%, 92%
CMY	0.5332, 0.2745, 0.0786
CMYK	0.49, 0.21, 0.00, 0.08
HSL	206°, 74%, 69%
HSV	206°, 49%, 92%
XYZ	39.9526, 44.6180, 85.0796
YIQ	170.9660, -55.3860, 1.5580

Conversions

Conversions Part 2

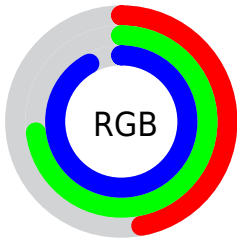
Format	Color
R _Y B	119, 161, 235
Decimal	7846379
CIE Lab	72.64, -7.52, -31.39
CIE LCh	73, 32.274, 256.524
Yxy	44.6180, 0.2355, 0.2630
Android (android.graphics.Color)	4286036459 (0xFF77B9EB)
YUV	170.9660, 31.5688, -45.5742
Hunter-Lab	66.7967, -10.1294, -28.7605

Details

The Yxy color **44.6180, 0.2355, 0.2630** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.3717, 0.4208, 0.3850**, and the grayscale version is **40.5714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4777, 0.2668, 0.3135**, and **20.6870, 0.2151, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **39.0689, 0.2214, 0.2466**, and if you desaturate by 10%, it is **50.8833, 0.2507, 0.2786**.

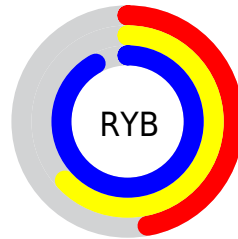
Distribution



Red (47%)

Green (73%)

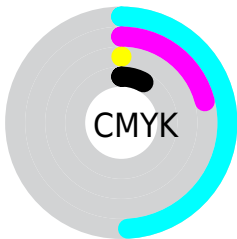
Blue (92%)



Red (47%)

Yellow (63%)

Blue (92%)

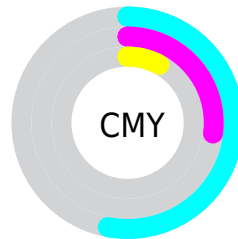


Cyan (49%)

Magenta (21%)

Yellow (0%)

Black (8%)



Cyan (53%)


Magenta (27%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6180, 0.2355, 0.2630 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 44.6180, 0.2355, 0.2630 by changing the saturation by 10% instead.


 44.6180, 0.2355,
0.2630

 44.6180, 0.2355,
0.2630


365.2242, 0.2731,
0.2959

 31.1566, 0.2266,
0.2550


 82.1469, 0.2488,
0.2748

 20.7182, 0.2154,
0.2448


 106.9832, 0.2540,
0.2793

 12.9181, 0.2010,
0.2316

 136.3800, 0.2583,
0.2831

 7.3722, 0.1821,
0.2138

170.7216, 0.2621,
0.2864

 3.6959, 0.1563,
0.1889

210.3924, 0.2654,
0.2892

 1.5050, 0.1201,
0.1526

255.7769, 0.2682,

 0.2922, 0.0243,

0.2917

0.0754

307.2593, 0.2708,
0.2939

0.0000, 0.0000,
0.0000

44.6180, 0.2355,
0.2630

44.6180, 0.2355,
0.2630

39.0689, 0.2214,
0.2466

50.8833, 0.2507,
0.2786

34.1939, 0.2088,
0.2298

57.8935, 0.2664,
0.2932

29.9531, 0.1982,
0.2128

65.6816, 0.2824,
0.3066

26.2980, 0.1898,
0.1962

74.2765, 0.2983,
0.3187

23.1558, 0.1835,
0.1801

83.7056, 0.3137,
0.3297

■ 22.9596, 0.1831,
0.1791

■ 93.0287, 0.3253,
0.3395

■ 98.7764, 0.3244,
0.3483

Harmonies

Analogous

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



44.6180, 0.2293, 0.2887



44.6180, 0.2355, 0.2630



44.6180, 0.2608, 0.2555

Triad

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



44.6180, 0.2355, 0.2630



44.6180, 0.3867, 0.3221



44.6180, 0.3188, 0.4055

Complementary

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



44.6180, 0.2355, 0.2630



47.3717, 0.4208, 0.3850

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.



44.6180, 0.3627, 0.4105



44.6180, 0.2355, 0.2630



44.6180, 0.4040, 0.3588

Square

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



44.6180, 0.2355, 0.2630



44.6180, 0.3479, 0.2888



44.6180, 0.3946, 0.3915



44.6180, 0.2752, 0.3744

Rectangle

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



44.6180, 0.2355, 0.2630



44.6180, 0.2865, 0.2602



44.6180, 0.3946, 0.3915



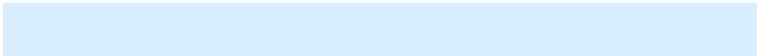
44.6180, 0.3340, 0.4103

Sweetspot

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



44.6197, 0.2355, 0.2630



83.3812, 0.2892, 0.3119



66.1272, 0.2812, 0.4196



17.3860, 0.2859, 0.3093



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.



44.6197, 0.2355, 0.2630



47.0871, 0.2215, 0.2468



25.5450, 0.2206, 0.1853



15.9715, 0.2981, 0.3186



13.0403, 0.1838, 0.1816



1.2145, 0.1900, 0.2039

Inverse Universe

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



34.3645, 0.3705, 0.2567



34.9959, 0.3880, 0.2444



73.0077, 0.3897, 0.4405



15.1977, 0.3204, 0.3157



10.8092, 0.4666, 0.2344



0.8680, 0.4409, 0.2202

Previews

White Background



This preview shows how the Yxy color 44.6180, 0.2355, 0.2630 looks on a white background.

Color Contrast Check

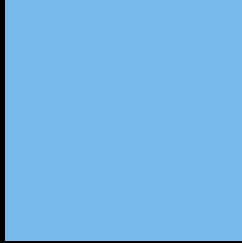
Large Text (above 18pt) WCAG AA × Fail

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 44.6180, 0.2355, 0.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

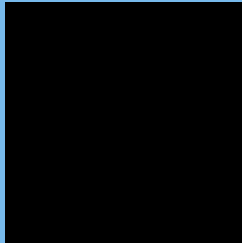
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

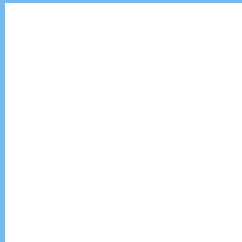
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6180, 0.2355, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 44.6180, 0.2355, 0.2630.

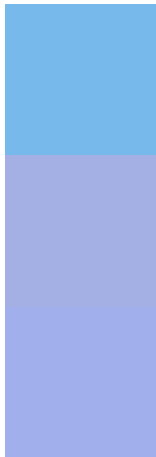


This preview shows how white text looks on a background with the Yxy color 44.6180, 0.2355, 0.2630.

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

44.6180, 0.2355, 0.2630

Protanopia

44.1539, 0.2652, 0.2622

Deuteranopia

44.3514, 0.2575, 0.2521



Tritanopia

44.5981, 0.2470, 0.3061

Trichromacy



Original Color

44.6180, 0.2355, 0.2630

Protanomaly

44.3056, 0.2531, 0.2622

Deuteranomaly

44.4073, 0.2490, 0.2564

Tritanomaly

44.4869, 0.2422, 0.2887

Monochromacy



Original Color

44.6180, 0.2355, 0.2630

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.6211, 0.2791, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6180, 0.2355, 0.2630 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, 185, 235)` looks like.

```
.text, #text, p{  
    color:rgb(119, 185, 235)  
}
```

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, 185, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 185, 235) }
```

Border

The CSS property to change the border of an element to Yxy 44.6180, 0.2355, 0.2630 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, 185, 235) }
```

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

```
.border{ border-color:rgb(119, 185, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 185, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 185, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 185, 235);  
box-shadow:4px 4px 4px 4px rgb(119, 185,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6180, 0.2355, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 185, 235) }
```

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

```
.background{ background-color: rgb(119,  
185, 235) }
```

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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