

Converting Colors

$Yxy(46.8115, 0.2442, 0.2707)$

Have a look what the booklet for
Yxy(46.8115, 0.2442, 0.2707)
contains.

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Color

Yxy(46.7552, 0.2442, 0.2705)

Conversions

Conversions Part 1

Format	Color
Hex	84BCE9
RGB	132, 188, 233
RGB Percent	52%, 74%, 91%
CMY	0.4822, 0.2627, 0.0863
CMYK	0.43, 0.19, 0.00, 0.09
HSL	207°, 70%, 72%
HSV	207°, 43%, 91%
XYZ	42.2093, 46.7552, 83.8828
YIQ	176.3860, -47.8210, 2.1230

Conversions

Conversions Part 2

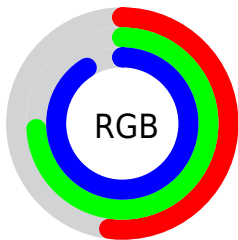
Format	Color
R_{YB}	132, 168, 233
Decimal	8699113
CIE _{Lab}	74.03, -6.60, -28.12
CIE _{LCh}	74, 28.880, 256.783
Yxy	46.7552, 0.2442, 0.2705
Android (android.graphics.Color)	4286889193 (0xFF84BCE9)
YUV	176.3860, 27.9107, -38.9265
Hunter-Lab	68.3778, -9.4738, -24.8699

Details

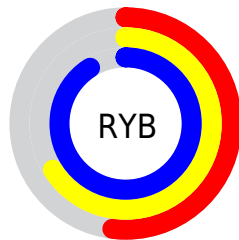
The Yxy color **46.7552, 0.2442, 0.2705** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.4439, 0.4031, 0.3801**, and the grayscale version is **43.5025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7402, 0.2736, 0.3171**, and **22.0388, 0.2265, 0.2550** is the 20% darker color. If you saturate the color by 10%, you get **40.8051, 0.2292, 0.2540**, and if you desaturate by 10%, it is **53.4475, 0.2599, 0.2860**.

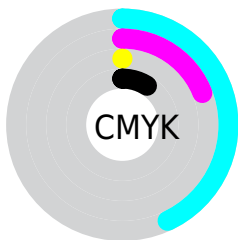
Distribution



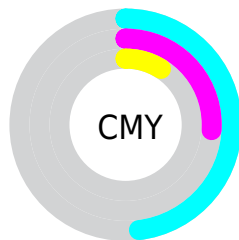
- Red (52%)
- Green (74%)
- Blue (91%)



- Red (52%)
- Yellow (66%)
- Blue (91%)



- Cyan (43%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (48%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7552, 0.2442, 0.2705 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 46.7552, 0.2442, 0.2705 by changing the saturation by 10% instead.

■ 46.7552, 0.2442,
0.2705

■ 46.7552, 0.2442,
0.2705

■ 373.8365, 0.2775,
0.2995

■ 32.8422, 0.2363,
0.2634

■ 85.3481, 0.2560,
0.2809

■ 22.0056, 0.2263,
0.2545

■ 110.7968, 0.2605,
0.2849

■ 13.8610, 0.2136,
0.2428

■ 140.8594, 0.2644,
0.2882

■ 8.0240, 0.1966,
0.2271

■ 175.9205, 0.2677,
0.2911

■ 4.1103, 0.1732,
0.2049

■ 216.3643, 0.2706,
0.2936

■ 1.7355, 0.1398,
0.1721

■ 262.5754, 0.2732,

■ 0.4465, 0.0649,

0.2958

0.1100

314.9380, 0.2755,
0.2978

0.0000, 0.0000,
0.0000

46.7552, 0.2442,
0.2705

46.7552, 0.2442,
0.2705

40.8051, 0.2292,
0.2540

53.4475, 0.2599,
0.2860

35.5570, 0.2155,
0.2368

60.9088, 0.2760,
0.3004

30.9739, 0.2034,
0.2193

69.1707, 0.2920,
0.3135

27.0123, 0.1934,
0.2018

78.2613, 0.3076,
0.3253

23.6201, 0.1858,
0.1849

88.2071, 0.3227,
0.3359

■ 21.6242, 0.1817,
0.1740

■ 95.7002, 0.3260,
0.3458

■ 98.6626, 0.3256,
0.3503

Harmonies

Analogous

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



46.7552, 0.2385, 0.2935



46.7552, 0.2442, 0.2705



46.7552, 0.2671, 0.2636

Triad

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



46.7552, 0.2442, 0.2705



46.7552, 0.3780, 0.3235



46.7552, 0.3181, 0.3956

Complementary

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



46.7552, 0.2442, 0.2705



50.4439, 0.4031, 0.3801

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.



46.7552, 0.3569, 0.4008



46.7552, 0.2442, 0.2705



46.7552, 0.3931, 0.3563

Square

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



46.7552, 0.2442, 0.2705



46.7552, 0.3442, 0.2936



46.7552, 0.3849, 0.3850



46.7552, 0.2795, 0.3684

Rectangle

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



46.7552, 0.2442, 0.2705



46.7552, 0.2900, 0.2677



46.7552, 0.3849, 0.3850



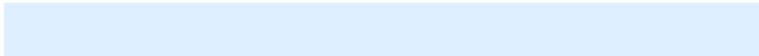
46.7552, 0.3316, 0.4000

Sweetspot

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



46.7570, 0.2442, 0.2705



85.1795, 0.2924, 0.3139



66.3068, 0.2832, 0.4041



17.7307, 0.2889, 0.3111



0.0000, 0.0000, 0.0000



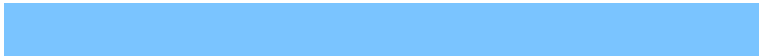
21.4041, 0.3127, 0.3290

Same Dimension

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



46.7570, 0.2442, 0.2705



50.8240, 0.2308, 0.2558



29.1885, 0.2328, 0.2033



15.9336, 0.2981, 0.3182



12.5224, 0.1824, 0.1765



1.1748, 0.1888, 0.1995

Inverse Universe

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



37.4650, 0.3625, 0.2666



39.2587, 0.3776, 0.2547



73.5233, 0.3800, 0.4295



15.1938, 0.3206, 0.3160



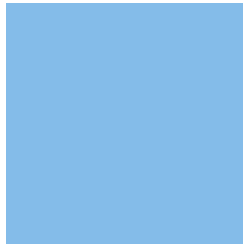
10.7570, 0.4727, 0.2378



0.8640, 0.4459, 0.2230

Previews

White Background



This preview shows how the Yxy color 46.7552, 0.2442, 0.2705 looks on a white background.

Color Contrast Check

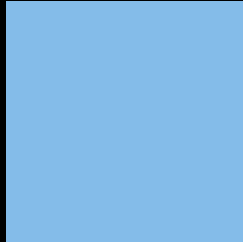
Large Text (above 18pt) WCAG AA × Fail

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 46.7552, 0.2442, 0.2705 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 46.7552, 0.2442, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 46.7552, 0.2442, 0.2705.



This preview shows how white text looks on a background with the Yxy color 46.7552, 0.2442, 0.2705.

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

46.7552, 0.2442, 0.2705

Protanopia

46.3323, 0.2706, 0.2693

Deuteranopia

46.3850, 0.2654, 0.2592



Tritanopia

46.6133, 0.2547, 0.3068

Trichromacy



Original Color

46.7552, 0.2442, 0.2705

Protanomaly

46.1810, 0.2600, 0.2693

Deuteranomaly

46.4643, 0.2571, 0.2637

Tritanomaly

46.8606, 0.2511, 0.2938

Monochromacy



Original Color

46.7552, 0.2442, 0.2705

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1473, 0.2835, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7552, 0.2442, 0.2705 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(132, 188, 233)` looks like.

```
.text, #text, p{  
    color:rgb(132, 188, 233)  
}
```

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(132, 188, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 188, 233) }
```

Border

The CSS property to change the border of an element to Yxy 46.7552, 0.2442, 0.2705 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(132, 188, 233) }
```

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

```
.border{ border-color:rgb(132, 188, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 188, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 188, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 188, 233);  
box-shadow:4px 4px 4px 4px rgb(132, 188,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7552, 0.2442, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 188, 233) }
```

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

```
.background{ background-color: rgb(132,  
188, 233) }
```

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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