

Converting Colors

$Yxy(46.2218, 0.2372, 0.2788)$

Have a look what the booklet for
Yxy(46.2218, 0.2372, 0.2788)
contains.

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Color

Yxy(46.3738, 0.2375, 0.2792)

Conversions

Conversions Part 1

Format	Color
Hex	71BFE4
RGB	113, 191, 228
RGB Percent	44%, 75%, 89%
CMY	0.5567, 0.2510, 0.1059
CMYK	0.50, 0.16, 0.00, 0.11
HSL	199°, 68%, 67%
HSV	199°, 50%, 89%
XYZ	39.4476, 46.3738, 80.2738
YIQ	171.8960, -58.3650, -5.0290

Conversions

Conversions Part 2

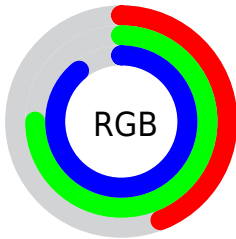
Format	Color
R _Y B	113, 159, 228
Decimal	7454692
CIE Lab	73.79, -14.05, -25.87
CIE LCh	74, 29.441, 241.489
Yxy	46.3738, 0.2375, 0.2792
Android (android.graphics.Color)	4285644772 (0xFF71BFE4)
YUV	171.8960, 27.6593, -51.6518
Hunter-Lab	68.0983, -15.7715, -22.2218

Details

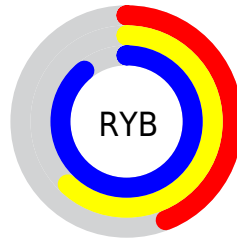
The Yxy color **46.3738, 0.2375, 0.2792** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **39.5135, 0.4319, 0.3719**, and the grayscale version is **41.0839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3995, 0.2646, 0.3201**, and **21.8856, 0.2185, 0.2664** is the 20% darker color. If you saturate the color by 10%, you get **41.9267, 0.2251, 0.2673**, and if you desaturate by 10%, it is **51.3646, 0.2512, 0.2906**.

Distribution



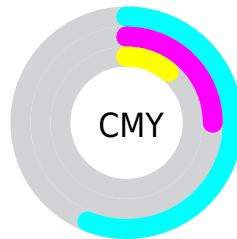
- Red (44%)
- Green (75%)
- Blue (89%)



- Red (44%)
- Yellow (62%)
- Blue (89%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (56%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3738, 0.2375, 0.2792 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 46.3738, 0.2375, 0.2792 by changing the saturation by 10% instead.

■ 46.3738, 0.2375,
0.2792

■ 46.3738, 0.2375,
0.2792

■ 372.3094, 0.2739,
0.3045

■ 32.5409, 0.2289,
0.2729

■ 84.7781, 0.2504,
0.2884

■ 21.7750, 0.2180,
0.2648

■ 110.1184, 0.2554,
0.2919

■ 13.6916, 0.2041,
0.2541

■ 140.0632, 0.2596,
0.2948

■ 7.9065, 0.1858,
0.2395

■ 174.9969, 0.2632,
0.2973

■ 4.0352, 0.1606,
0.2184

■ 215.3040, 0.2664,
0.2994

■ 1.6933, 0.1249,
0.1861

■ 261.3689, 0.2692,

■ 0.4193, 0.0163,

0.3013

0.1229

313.5759, 0.2717,
0.3030

0.0000, 0.0000,
0.0000

46.3738, 0.2375,
0.2792

46.3738, 0.2375,
0.2792

41.9267, 0.2251,
0.2673

51.3646, 0.2512,
0.2906

37.9868, 0.2144,
0.2550

56.9223, 0.2659,
0.3014

34.5203, 0.2056,
0.2426

63.0744, 0.2811,
0.3113

31.4852, 0.1989,
0.2303

69.8451, 0.2966,
0.3204

28.9165, 0.1941,
0.2187

77.2568, 0.3121,
0.3287

85.3308, 0.3272,
0.3361

90.5874, 0.3300,
0.3431

95.0532, 0.3291,
0.3502

98.3817, 0.3286,
0.3552

Harmonies

Analogous

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



46.3738, 0.2411, 0.3102



46.3738, 0.2375, 0.2792



46.3738, 0.2522, 0.2637

Triad

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



46.3738, 0.2375, 0.2792



46.3738, 0.3636, 0.3070



46.3738, 0.3391, 0.4029

Complementary

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



46.3738, 0.2375, 0.2792



39.5135, 0.4319, 0.3719

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.



46.3738, 0.3745, 0.3963



46.3738, 0.2375, 0.2792



46.3738, 0.3899, 0.3398

Square

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



46.3738, 0.2375, 0.2792



46.3738, 0.3235, 0.2803



46.3738, 0.3937, 0.3722



46.3738, 0.2981, 0.3860

Rectangle

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



46.3738, 0.2375, 0.2792



46.3738, 0.2711, 0.2626



46.3738, 0.3937, 0.3722



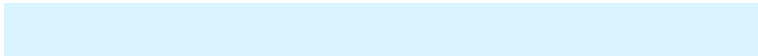
46.3738, 0.3521, 0.4032

Sweetspot

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



46.3755, 0.2375, 0.2792



85.8481, 0.2894, 0.3163



61.1868, 0.2868, 0.4385



17.9816, 0.2861, 0.3143



0.0000, 0.0000, 0.0000



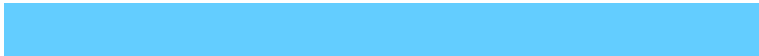
21.4041, 0.3127, 0.3290

Same Dimension

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



46.3755, 0.2375, 0.2792



53.5280, 0.2240, 0.2661



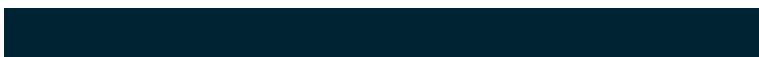
26.1957, 0.2216, 0.1978



15.5131, 0.2981, 0.3213



16.9200, 0.1946, 0.2206



1.4168, 0.1995, 0.2383

Inverse Universe

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



32.0741, 0.3574, 0.2423



34.6737, 0.3713, 0.2269



62.2783, 0.3972, 0.4319



14.5321, 0.3187, 0.3132



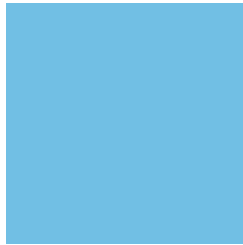
10.9058, 0.4226, 0.2102



0.8227, 0.4041, 0.2000

Previews

White Background



This preview shows how the Yxy color 46.3738, 0.2375, 0.2792 looks on a white background.

Color Contrast Check

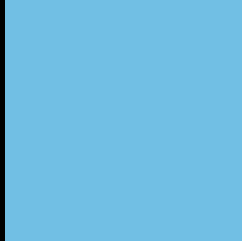
Large Text (above 18pt) WCAG AA × Fail

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 46.3738, 0.2375, 0.2792 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 46.3738, 0.2375, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 46.3738, 0.2375, 0.2792.



This preview shows how white text looks on a background with the Yxy color 46.3738, 0.2375, 0.2792.

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

46.3738, 0.2375, 0.2792

Protanopia

46.0126, 0.2766, 0.2785

Deuteranopia

45.8717, 0.2685, 0.2624



Tritanopia

46.3625, 0.2444, 0.3064

Trichromacy



Original Color

46.3738, 0.2375, 0.2792

Protanomaly

45.6249, 0.2604, 0.2782

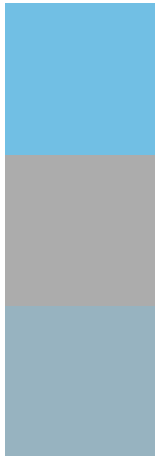
Deuteranomaly

45.6531, 0.2555, 0.2676

Tritanomaly

46.4009, 0.2416, 0.2957

Monochromacy



Original Color

46.3738, 0.2375, 0.2792

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.6253, 0.2801, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3738, 0.2375, 0.2792 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(113, 191, 228)` looks like.

```
.text, #text, p{  
    color:rgb(113, 191, 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(113, 191, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 191, 228) }
```

Border

The CSS property to change the border of an element to Yxy 46.3738, 0.2375, 0.2792 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(113, 191, 228) }
```

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

```
.border{ border-color:rgb(113, 191, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 191, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 191, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 191, 228); box-shadow:4px 4px 4px 4px rgb(113, 191, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3738, 0.2375, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 191, 228) }
```

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

```
.background{ background-color: rgb(113,  
191, 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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