

Converting Colors

$Y_{xy}(47.8191, 0.2358, 0.2733)$

Have a look what the booklet for
Yxy(47.8191, 0.2358, 0.2733)
contains.

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Color

Yxy(47.8511, 0.2361, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	74C1EB
RGB	116, 193, 235
RGB Percent	45%, 76%, 92%
CMY	0.5453, 0.2431, 0.0785
CMYK	0.51, 0.18, 0.00, 0.08
HSL	201°, 75%, 69%
HSV	201°, 51%, 92%
XYZ	41.2624, 47.8511, 85.6531
YIQ	174.7650, -59.3740, -3.2620

Conversions

Conversions Part 2

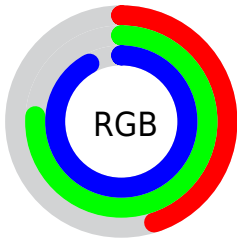
Format	Color
R _Y B	116, 163, 235
Decimal	7651819
CIE Lab	74.73, -12.49, -28.19
CIE LCh	75, 30.834, 246.112
Yxy	47.8511, 0.2361, 0.2738
Android (android.graphics.Color)	4285841899 (0xFF74C1EB)
YUV	174.7650, 29.6959, -51.5369
Hunter-Lab	69.1745, -14.5806, -24.9918

Details

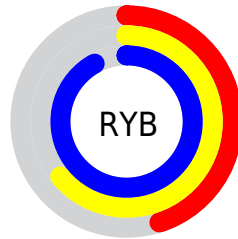
The Yxy color **47.8511, 0.2361, 0.2738** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.3550, 0.4306, 0.3762**, and the grayscale version is **42.6048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9700, 0.2663, 0.3223**, and **22.5321, 0.2166, 0.2576** is the 20% darker color. If you saturate the color by 10%, you get **42.8791, 0.2233, 0.2606**, and if you desaturate by 10%, it is **53.4393, 0.2502, 0.2864**.

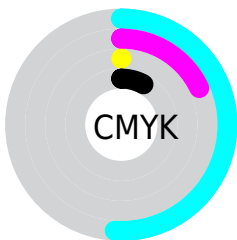
Distribution



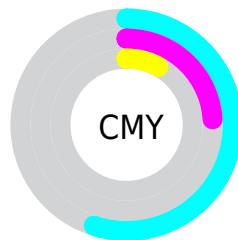
- Red (45%)
- Green (76%)
- Blue (92%)



- Red (45%)
- Yellow (64%)
- Blue (92%)



- Cyan (51%)
- Magenta (18%)
- Yellow (0%)
- Black (8%)



- Cyan (55%)
- Magenta (24%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8511, 0.2361, 0.2738 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 47.8511, 0.2361, 0.2738 by changing the saturation by 10% instead.

■ 47.8511, 0.2361,
0.2738

■ 47.8511, 0.2361,
0.2738

378.2016, 0.2730,
0.3014

■ 33.7090, 0.2274,
0.2670

■ 86.9827, 0.2491,
0.2838

■ 22.6701, 0.2166,
0.2584

■ 112.7409, 0.2541,
0.2876

■ 14.3501, 0.2028,
0.2471

■ 143.1400, 0.2584,
0.2908

■ 8.3646, 0.1847,
0.2318

178.5643, 0.2621,
0.2935

■ 4.3291, 0.1601,
0.2101

219.3982, 0.2653,
0.2959

■ 1.8593, 0.1256,
0.1779

266.0261, 0.2682,

■ 0.5237, 0.0452,

0.2980

0.1225

318.8325, 0.2707,
0.2998

0.0000, 0.0000,
0.0000

47.8511, 0.2361,
0.2738

47.8511, 0.2361,
0.2738

42.8791, 0.2233,
0.2606

53.4393, 0.2502,
0.2864

38.4831, 0.2121,
0.2470

59.6695, 0.2651,
0.2983

34.6258, 0.2030,
0.2333


66.5725, 0.2806,
0.3093

31.2607, 0.1959,
0.2197

74.1747, 0.2962,
0.3194

28.4911, 0.1909,
0.2073

82.5013, 0.3117,
0.3284

 91.2032, 0.3255,
0.3366

 96.2694, 0.3248,
0.3446

 98.7778, 0.3244,
0.3483

Harmonies

Analogous

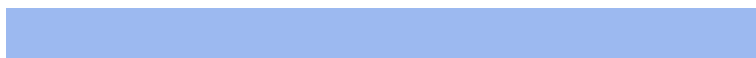
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.8511, 0.2368, 0.3036



47.8511, 0.2361, 0.2738



47.8511, 0.2540, 0.2606

Triad

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



47.8511, 0.2361, 0.2738



47.8511, 0.3709, 0.3112



47.8511, 0.3335, 0.4047

Complementary

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



47.8511, 0.2361, 0.2738



43.3550, 0.4306, 0.3762

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.



47.8511, 0.3718, 0.4012



47.8511, 0.2361, 0.2738



47.8511, 0.3950, 0.3453

Square

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



47.8511, 0.2361, 0.2738



47.8511, 0.3306, 0.2823



47.8511, 0.3950, 0.3782



47.8511, 0.2912, 0.3835

Rectangle

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



47.8511, 0.2361, 0.2738



47.8511, 0.2750, 0.2612



47.8511, 0.3950, 0.3782



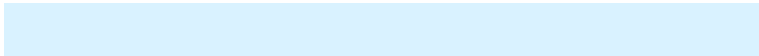
47.8511, 0.3473, 0.4062

Sweetspot

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



47.8529, 0.2361, 0.2738



85.1461, 0.2893, 0.3150



65.5789, 0.2847, 0.4338



17.8119, 0.2860, 0.3129



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.



47.8529, 0.2361, 0.2738



51.2709, 0.2226, 0.2597



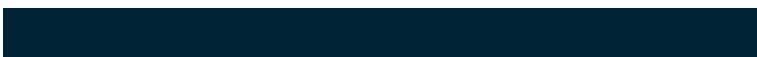
26.7069, 0.2200, 0.1914



16.1760, 0.2981, 0.3205



16.1063, 0.1915, 0.2094



1.4445, 0.1966, 0.2279

Inverse Universe

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



33.9932, 0.3619, 0.2454



34.4458, 0.3770, 0.2311



68.6183, 0.3957, 0.4361



15.2183, 0.3192, 0.3139



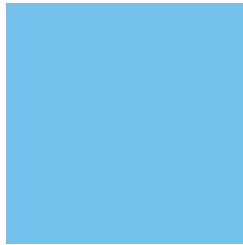
11.1188, 0.4348, 0.2169



0.8912, 0.4149, 0.2059

Previews

White Background



This preview shows how the Yxy color 47.8511, 0.2361, 0.2738 looks on a white background.

Color Contrast Check

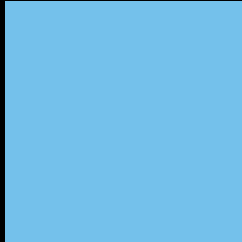
Large Text (above 18pt) WCAG AA × Fail

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 47.8511, 0.2361, 0.2738 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

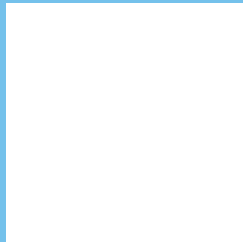
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8511, 0.2361, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 47.8511, 0.2361, 0.2738.

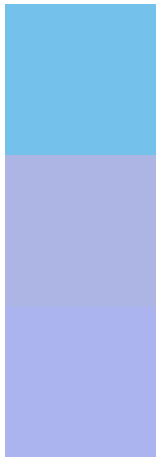


This preview shows how white text looks on a background with the Yxy color 47.8511, 0.2361, 0.2738.

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

47.8511, 0.2361, 0.2738

Protanopia

47.3645, 0.2723, 0.2721

Deuteranopia

47.4735, 0.2645, 0.2587



Tritanopia

47.9247, 0.2442, 0.3067

Trichromacy



Original Color

47.8511, 0.2361, 0.2738

Protanomaly

47.0865, 0.2573, 0.2718

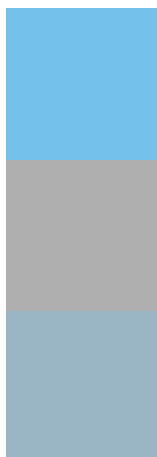
Deuteranomaly

47.3917, 0.2527, 0.2638

Tritanomaly

48.0798, 0.2413, 0.2949

Monochromacy



Original Color

47.8511, 0.2361, 0.2738

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.3571, 0.2792, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8511, 0.2361, 0.2738 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(116, 193, 235)` looks like.

```
.text, #text, p{  
    color:rgb(116, 193, 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(116, 193, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 193, 235) }
```

Border

The CSS property to change the border of an element to Yxy 47.8511, 0.2361, 0.2738 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(116, 193, 235) }
```

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

```
.border{ border-color:rgb(116, 193, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 193, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 193, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 193, 235);  
box-shadow:4px 4px 4px 4px rgb(116, 193,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8511, 0.2361, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 193, 235) }
```

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

```
.background{ background-color: rgb(116,  
193, 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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