

Converting Colors

$Y_{xy}(47.0778, 0.2327, 0.2598)$

Have a look what the booklet for
Yxy(47.0778, 0.2327, 0.2598)
contains.

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Color

Yxy(47.2199, 0.2330, 0.2607)

Conversions

Conversions Part 1

Format	Color
Hex	77BEF3
RGB	119, 190, 243
RGB Percent	47%, 75%, 95%
CMY	0.5333, 0.2549, 0.0470
CMYK	0.51, 0.22, 0.00, 0.05
HSL	206°, 84%, 71%
HSV	206°, 51%, 95%
XYZ	42.2027, 47.2199, 91.7048
YIQ	174.8130, -59.3290, 1.4310

Conversions

Conversions Part 2

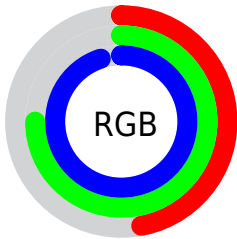
Format	Color
R _Y B	119, 164, 243
Decimal	7847667
CIE Lab	74.33, -7.90, -33.13
CIE LCh	74, 34.063, 256.581
Yxy	47.2199, 0.2330, 0.2607
Android (android.graphics.Color)	4286037747 (0xFF77BEF3)
YUV	174.8130, 33.6162, -48.9480
Hunter-Lab	68.7167, -10.6278, -31.0228

Details

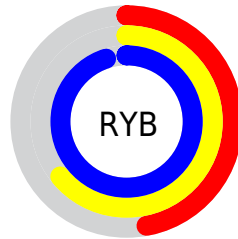
The Yxy color **47.2199, 0.2330, 0.2607** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.9125, 0.4263, 0.3864**, and the grayscale version is **42.6167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4786, 0.2675, 0.3191**, and **22.3787, 0.2129, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **41.3739, 0.2192, 0.2443**, and if you desaturate by 10%, it is **53.8300, 0.2480, 0.2763**.

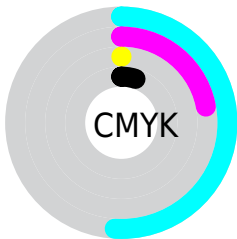
Distribution



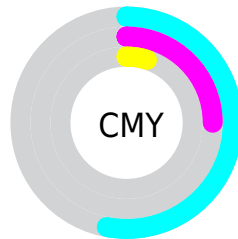
- Red (47%)
- Green (75%)
- Blue (95%)



- Red (47%)
- Yellow (64%)
- Blue (95%)



- Cyan (51%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (53%)
- Magenta (25%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2199, 0.2330, 0.2607 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 47.2199, 0.2330, 0.2607 by changing the saturation by 10% instead.

■ 47.2199, 0.2330,
0.2607

■ 47.2199, 0.2330,
0.2607

■ 375.6916, 0.2713,
0.2944

■ 33.2095, 0.2240,
0.2526

■ 86.0418, 0.2465,
0.2727

■ 22.2870, 0.2128,
0.2424

■ 111.6221, 0.2517,
0.2773

■ 14.0679, 0.1986,
0.2292

■ 141.8278, 0.2562,
0.2812

■ 8.1679, 0.1800,
0.2117

■ 177.0433, 0.2600,
0.2846

■ 4.2026, 0.1550,
0.1876

■ 217.6531, 0.2634,
0.2875

■ 1.7875, 0.1206,
0.1530

■ 264.0414, 0.2664,

■ 0.4794, 0.0519,

0.2901

0.0948

316.5928, 0.2690,
0.2923

0.0000, 0.0000,
0.0000

47.2199, 0.2330,
0.2607

47.2199, 0.2330,
0.2607

41.3739, 0.2192,
0.2443

53.8300, 0.2480,
0.2763

36.2458, 0.2070,
0.2276

61.2359, 0.2637,
0.2910

31.7912, 0.1967,
0.2107

69.4736, 0.2797,
0.3045

27.9562, 0.1888,
0.1943

78.5747, 0.2956,
0.3168

24.9693, 0.1834,
0.1800

88.5692, 0.3111,
0.3279

97.5733, 0.3199,
0.3380

99.2527, 0.3197,
0.3405

Harmonies

Analogous

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



47.2199, 0.2265, 0.2871



47.2199, 0.2330, 0.2607



47.2199, 0.2591, 0.2531

Triad

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



47.2199, 0.2330, 0.2607



47.2199, 0.3894, 0.3218



47.2199, 0.3188, 0.4084

Complementary

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



47.2199, 0.2330, 0.2607



49.9125, 0.4263, 0.3864

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.



47.2199, 0.3643, 0.4135



47.2199, 0.2330, 0.2607



47.2199, 0.4073, 0.3597

Square

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



47.2199, 0.2330, 0.2607



47.2199, 0.3492, 0.2876



47.2199, 0.3973, 0.3936



47.2199, 0.2737, 0.3761

Rectangle

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



47.2199, 0.2330, 0.2607



47.2199, 0.2856, 0.2580



47.2199, 0.3973, 0.3936



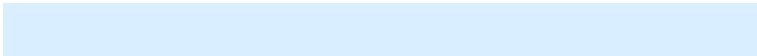
47.2199, 0.3346, 0.4133

Sweetspot

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



47.2216, 0.2330, 0.2607



83.4583, 0.2892, 0.3121



70.9686, 0.2804, 0.4236



17.4046, 0.2859, 0.3094



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.



47.2216, 0.2330, 0.2607



46.0727, 0.2190, 0.2441



26.1875, 0.2169, 0.1793



17.5017, 0.2980, 0.3186



13.9737, 0.1840, 0.1825



1.4318, 0.1896, 0.2026

Inverse Universe

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



35.9737, 0.3730, 0.2539



33.9210, 0.3911, 0.2418



78.4957, 0.3923, 0.4440



16.6415, 0.3204, 0.3155



11.5100, 0.4655, 0.2338



1.0322, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 47.2199, 0.2330, 0.2607 looks on a white background.

Color Contrast Check

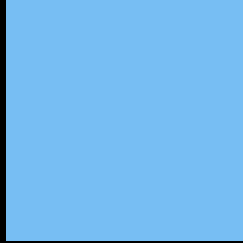
Large Text (above 18pt) WCAG AA × Fail

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 47.2199, 0.2330, 0.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

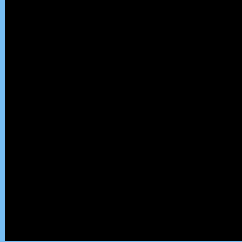
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

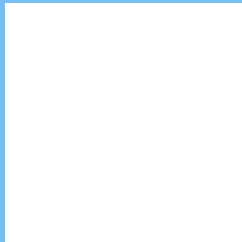
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2199, 0.2330, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 47.2199, 0.2330, 0.2607.



This preview shows how white text looks on a background with the Yxy color 47.2199, 0.2330, 0.2607.

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

47.2199, 0.2330, 0.2607

Protanopia

46.9141, 0.2630, 0.2603

Deuteranopia

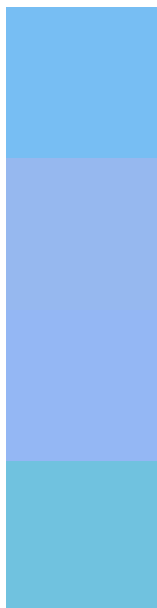
46.7253, 0.2555, 0.2492



Tritanopia

47.3711, 0.2449, 0.3079

Trichromacy



Original Color

47.2199, 0.2330, 0.2607

Protanomaly

46.9970, 0.2508, 0.2602

Deuteranomaly

46.6945, 0.2466, 0.2533

Tritanomaly

47.3560, 0.2403, 0.2896

Monochromacy



Original Color

47.2199, 0.2330, 0.2607

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7812, 0.2777, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2199, 0.2330, 0.2607 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, 190, 243)` looks like.

```
.text, #text, p{  
    color:rgb(119, 190, 243)  
}
```

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, 190, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 190, 243) }
```

Border

The CSS property to change the border of an element to Yxy 47.2199, 0.2330, 0.2607 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, 190, 243) }
```

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

```
.border{ border-color:rgb(119, 190, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 190, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 190, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 190, 243);  
box-shadow:4px 4px 4px 4px rgb(119, 190,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2199, 0.2330, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 190, 243) }
```

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

```
.background{ background-color: rgb(119,  
190, 243) }
```

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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