

Converting Colors

$Yxy(47.2222, 0.2224, 0.2542)$

Have a look what the booklet for
Yxy(47.2222, 0.2224, 0.2542)
contains.

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Color

Yxy(47.3107, 0.2223, 0.2543)

Conversions

Conversions Part 1

Format	Color
Hex	64C0FA
RGB	100, 192, 250
RGB Percent	39%, 75%, 98%
CMY	0.6078, 0.2470, 0.0197
CMYK	0.60, 0.23, 0.00, 0.02
HSL	203°, 94%, 69%
HSV	203°, 60%, 98%
XYZ	41.3573, 47.3107, 97.3748
YIQ	171.1040, -73.4500, -1.4660

Conversions

Conversions Part 2

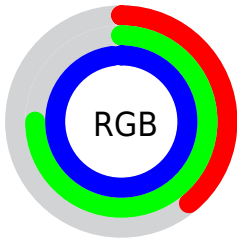
Format	Color
R _Y B	100, 157, 250
Decimal	6603002
CIE Lab	74.39, -10.72, -36.85
CIE LCh	74, 38.376, 253.782
Yxy	47.3107, 0.2223, 0.2543
Android (android.graphics.Color)	4284793082 (0xFF64C0FA)
YUV	171.1040, 38.8957, -62.3582
Hunter-Lab	68.7828, -13.0424, -35.7881

Details

The Yxy color **47.3107, 0.2223, 0.2543** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.6859, 0.4584, 0.3883**, and the grayscale version is **40.6095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9319, 0.2599, 0.3211**, and **22.4347, 0.2003, 0.2354** is the 20% darker color. If you saturate the color by 10%, you get **41.9936, 0.2105, 0.2392**, and if you desaturate by 10%, it is **53.3469, 0.2357, 0.2689**.

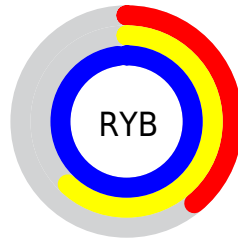
Distribution



Red (39%)

Green (75%)

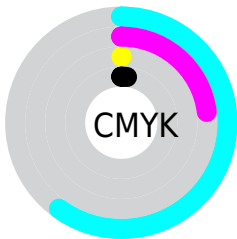
Blue (98%)



Red (39%)

Yellow (62%)

Blue (98%)

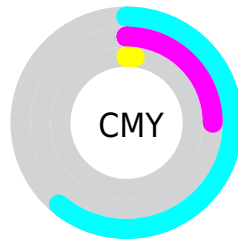


Cyan (60%)

Magenta (23%)

Yellow (0%)

Black (2%)



Cyan (61%)


Magenta (25%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3107, 0.2223, 0.2543 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 47.3107, 0.2223, 0.2543 by changing the saturation by 10% instead.


 47.3107, 0.2223,
0.2543


 47.3107, 0.2223,
0.2543


376.0534, 0.2654,
0.2911


 33.2813, 0.2123,
0.2455


 86.1772, 0.2374,
0.2674

 22.3421, 0.2000,
0.2344


 111.7832, 0.2432,
0.2724

 14.1085, 0.1845,
0.2203

 142.0168, 0.2482,
0.2767

 8.1961, 0.1646,
0.2015

177.2624, 0.2526,
0.2804

 4.2207, 0.1383,
0.1761

217.9045, 0.2564,
0.2836

 1.7978, 0.1034,
0.1405

264.3274, 0.2597,

 0.4858, 0.0347,

0.2864

0.0843

316.9156, 0.2627,
0.2889

0.0000, 0.0000,
0.0000

47.3107, 0.2223,
0.2543

47.3107, 0.2223,
0.2543

41.9936, 0.2105,
0.2392

53.3469, 0.2357,
0.2689

37.3439, 0.2007,
0.2241

60.1385, 0.2503,
0.2829

33.3083, 0.1931,
0.2091

67.7247, 0.2657,
0.2960

29.7997, 0.1874,
0.1946

76.1399, 0.2814,
0.3081

29.7976, 0.1874,
0.1946

85.4163, 0.2972,
0.3191

95.5840, 0.3127,
0.3290

99.6807, 0.3156,
0.3338

Harmonies

Analogous

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



47.3107, 0.2172, 0.2851



47.3107, 0.2223, 0.2543



47.3107, 0.2491, 0.2445

Triad

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



47.3107, 0.2223, 0.2543



47.3107, 0.3958, 0.3166



47.3107, 0.3239, 0.4212

Complementary

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



47.3107, 0.2223, 0.2543



45.6859, 0.4584, 0.3883

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.



47.3107, 0.3743, 0.4229



47.3107, 0.2223, 0.2543



47.3107, 0.4187, 0.3585

Square

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



47.3107, 0.2223, 0.2543



47.3107, 0.3486, 0.2797



47.3107, 0.4098, 0.3975



47.3107, 0.2729, 0.3869

Rectangle

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



47.3107, 0.2223, 0.2543



47.3107, 0.2775, 0.2488



47.3107, 0.4098, 0.3975



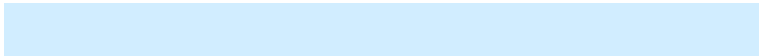
47.3107, 0.3415, 0.4254

Sweetspot

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



47.3124, 0.2223, 0.2543



81.5075, 0.2845, 0.3103



73.5179, 0.2795, 0.4511



16.8663, 0.2799, 0.3070



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.



47.3124, 0.2223, 0.2543



42.8682, 0.2083, 0.2361



22.4505, 0.2000, 0.1552



18.4159, 0.2980, 0.3196



16.0963, 0.1880, 0.1969



1.6963, 0.1929, 0.2144

Inverse Universe

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



33.2414, 0.3815, 0.2371



29.2795, 0.4022, 0.2257



79.2241, 0.4074, 0.4565



17.4042, 0.3198, 0.3145



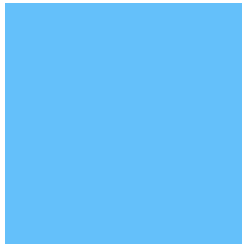
12.0358, 0.4488, 0.2246



1.1355, 0.4293, 0.2139

Previews

White Background



This preview shows how the Yxy color 47.3107, 0.2223, 0.2543 looks on a white background.

Color Contrast Check

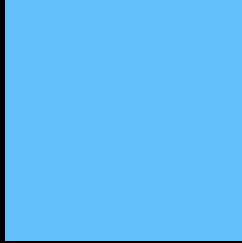
Large Text (above 18pt) WCAG AA × Fail

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 47.3107, 0.2223, 0.2543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

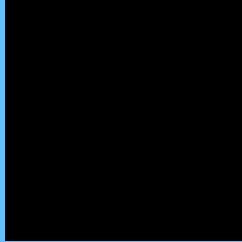
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

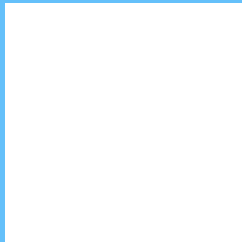
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3107, 0.2223, 0.2543

Background



This preview shows how black text looks on a background with the Yxy color 47.3107, 0.2223, 0.2543.

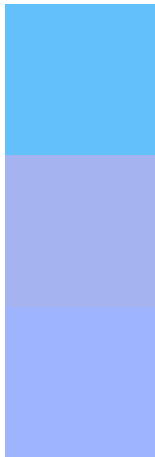


This preview shows how white text looks on a background with the Yxy color 47.3107, 0.2223, 0.2543.

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

47.3107, 0.2223, 0.2543

Protanopia

46.9927, 0.2586, 0.2547

Deuteranopia

47.0035, 0.2474, 0.2415



Tritanopia

47.1793, 0.2333, 0.3048

Trichromacy



Original Color

47.3107, 0.2223, 0.2543

Protanomaly

46.4754, 0.2427, 0.2538

Deuteranomaly

46.6276, 0.2365, 0.2449

Tritanomaly

47.2550, 0.2290, 0.2851

Monochromacy



Original Color

47.3107, 0.2223, 0.2543

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.4301, 0.2702, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3107, 0.2223, 0.2543 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(100, 192, 250)` looks like.

```
.text, #text, p{  
    color:rgb(100, 192, 250)  
}
```

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(100, 192, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 192, 250) }
```

Border

The CSS property to change the border of an element to Yxy 47.3107, 0.2223, 0.2543 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(100, 192, 250) }
```

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

```
.border{ border-color:rgb(100, 192, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 192, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 192, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 192, 250);  
box-shadow:4px 4px 4px 4px rgb(100, 192,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3107, 0.2223, 0.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 192, 250) }
```

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

```
.background{ background-color: rgb(100,  
192, 250) }
```

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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