

Converting Colors

$Yxy(47.5418, 0.1981, 0.1787)$

Have a look what the booklet for
Yxy(47.5418, 0.1981, 0.1787)
contains.

Yxy(42.6483, 0.2197, 0.2321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.6483, 0.2197, 0.2321)

Conversions

Conversions Part 1

Format	Color
Hex	6CB3FF
RGB	108, 179, 255
RGB Percent	42%, 70%, 100%
CMY	0.5759, 0.2981, 0.0000
CMYK	0.58, 0.30, 0.00, 0.00
HSL	211°, 100%, 71%
HSV	211°, 58%, 100%
XYZ	40.3698, 42.6483, 100.7316
YIQ	166.4350, -66.7120, 8.5840

Conversions

Conversions Part 2

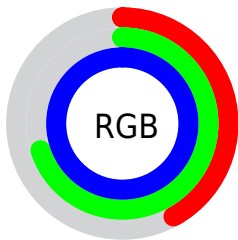
Format	Color
RYB	108, 156, 255
Decimal	7123967
CIELab	71.32, -0.51, -44.33
CIELCh	71, 44.338, 269.335
Yxy	42.6483, 0.2197, 0.2321
Android (android.graphics.Color)	4285314047 (0xFF6CB3FF)
YUV	166.4350, 43.6625, -51.2475
Hunter-Lab	65.3057, -3.9421, -45.7387

Details

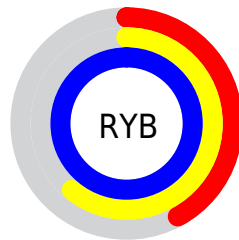
The Yxy color **42.6483, 0.2197, 0.2321** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.6964, 0.4373, 0.4056**, and the grayscale version is **38.1783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9615, 0.2613, 0.3065**, and **19.6310, 0.1961, 0.2080** is the 20% darker color. If you saturate the color by 10%, you get **36.2341, 0.2055, 0.2117**, and if you desaturate by 10%, it is **50.0365, 0.2353, 0.2520**.

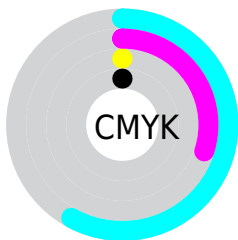
Distribution



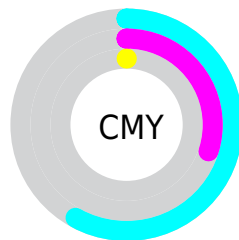
- Red (42%)
- Green (70%)
- Blue (100%)



- Red (42%)
- Yellow (61%)
- Blue (100%)



- Cyan (58%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6483, 0.2197, 0.2321 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 42.6483, 0.2197, 0.2321 by changing the saturation by 10% instead.

■ 42.6483, 0.2197,
0.2321

■ 42.6483, 0.2197,
0.2321

■ 357.1634, 0.2647,
0.2791

■ 29.6093, 0.2092,
0.2211

■ 79.1799, 0.2356,
0.2487

■ 19.5422, 0.1962,
0.2075

■ 103.4412, 0.2417,
0.2551

■ 12.0627, 0.1798,
0.1903

■ 132.2120, 0.2469,
0.2605

■ 6.7864, 0.1586,
0.1682

■ 165.8768, 0.2514,
0.2652

■ 3.3289, 0.1310,
0.1391

■ 204.8200, 0.2554,
0.2694

■ 1.3057, 0.0947,
0.1010

■ 249.4259, 0.2589,

■ 0.1456, 0.0216,

0.2730

0.0250

300.0789, 0.2620,
0.2762

0.0000, 0.0000,
0.0000

42.6483, 0.2197,
0.2321

42.6483, 0.2197,
0.2321

36.2341, 0.2055,
0.2117

50.0365, 0.2353,
0.2520

30.7380, 0.1933,
0.1913

58.4496, 0.2516,
0.2709

26.0955, 0.1835,
0.1715

67.9338, 0.2683,
0.2884

22.2260, 0.1762,
0.1529

78.5321, 0.2849,
0.3045

21.3844, 0.1746,
0.1486

90.2850, 0.3010,
0.3190

100.0000, 0.3127,
0.3290

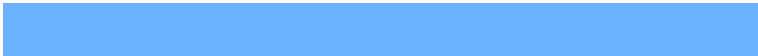
Harmonies

Analogous

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



42.6483, 0.2007, 0.2543



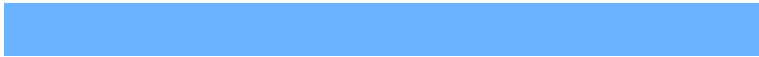
42.6483, 0.2197, 0.2321



42.6483, 0.2624, 0.2333

Triad

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



42.6483, 0.2197, 0.2321



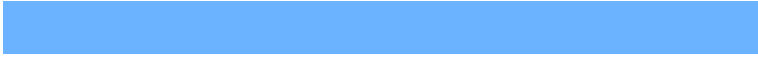
42.6483, 0.4310, 0.3382



42.6483, 0.2925, 0.4241

Complementary

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



42.6483, 0.2197, 0.2321



56.6964, 0.4373, 0.4056

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.



42.6483, 0.3546, 0.4460



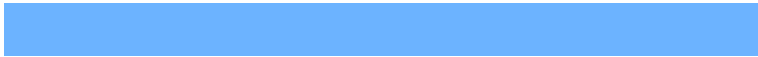
42.6483, 0.2197, 0.2321



42.6483, 0.4379, 0.3868

Square

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



42.6483, 0.2197, 0.2321



42.6483, 0.3873, 0.2918



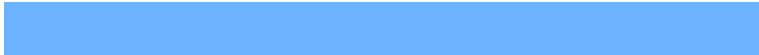
42.6483, 0.4084, 0.4280



42.6483, 0.2390, 0.3663

Rectangle

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



42.6483, 0.2197, 0.2321



42.6483, 0.3017, 0.2456



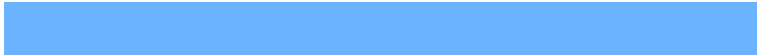
42.6483, 0.4084, 0.4280



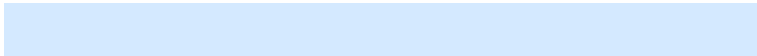
42.6483, 0.3131, 0.4362

Sweetspot

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



42.6482, 0.2197, 0.2321



79.1935, 0.2858, 0.3054



78.1787, 0.2713, 0.4190



16.4724, 0.2825, 0.3023



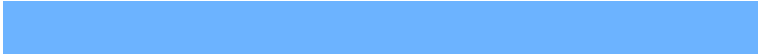
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.6482, 0.2197, 0.2321



35.4051, 0.2037, 0.2088



21.3288, 0.2017, 0.1437



18.8237, 0.2979, 0.3164



11.4695, 0.1754, 0.1515



1.3342, 0.1813, 0.1725

Inverse Universe

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



35.2694, 0.4009, 0.2582



29.5365, 0.4286, 0.2495



93.4045, 0.3935, 0.4663



18.1331, 0.3218, 0.3176



11.8858, 0.5039, 0.2550



1.1792, 0.4775, 0.2404

Previews

White Background



This preview shows how the Yxy color 42.6483, 0.2197, 0.2321 looks on a white background.

Color Contrast Check

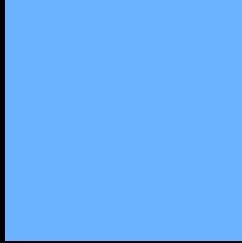
Large Text (above 18pt) WCAG AA × Fail

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 42.6483, 0.2197, 0.2321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

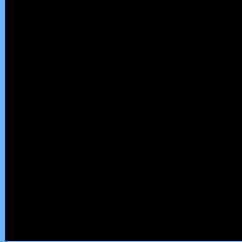
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

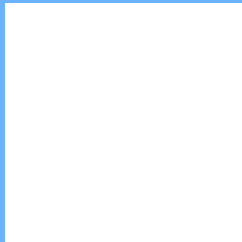
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6483, 0.2197, 0.2321

Background



This preview shows how black text looks on a background with the Yxy color 42.6483, 0.2197, 0.2321.



This preview shows how white text looks on a background with the Yxy color 42.6483, 0.2197, 0.2321.

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

42.6483, 0.2197, 0.2321

Protanopia

42.3549, 0.2422, 0.2329

Deuteranopia

42.5961, 0.2337, 0.2281



Tritanopia

42.7811, 0.2368, 0.3068

Trichromacy



Original Color

42.6483, 0.2197, 0.2321

Protanomaly

42.3055, 0.2330, 0.2326

Deuteranomaly

42.4691, 0.2281, 0.2292

Tritanomaly

42.4585, 0.2298, 0.2757

Monochromacy



Original Color

42.6483, 0.2197, 0.2321

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.2228, 0.2704, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6483, 0.2197, 0.2321 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(108, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 179, 255)  
}
```

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(108, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.6483, 0.2197, 0.2321 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(108, 179, 255) }
```

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

```
.border{ border-color:rgb(108, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6483, 0.2197, 0.2321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 179, 255) }
```

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

```
.background{ background-color: rgb(108,  
179, 255) }
```

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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