

Converting Colors

$Yxy(48.3320, 0.2300, 0.2483)$

Have a look what the booklet for
Yxy(48.3320, 0.2300, 0.2483)
contains.

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Color

Yxy(48.3320, 0.2300, 0.2483)

Conversions

Conversions Part 1

Format	Color
Hex	7CBEFF
RGB	124, 190, 255
RGB Percent	49%, 75%, 100%
CMY	0.5138, 0.2549, 0.0001
CMYK	0.51, 0.25, 0.00, 0.00
HSL	210°, 100%, 74%
HSV	210°, 51%, 100%
XYZ	44.7699, 48.3320, 101.5498
YIQ	177.6760, -60.2010, 6.2230

Conversions

Conversions Part 2

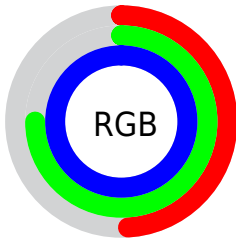
Format	Color
RYB	124, 168, 255
Decimal	8175359
CIELab	75.03, -3.35, -38.45
CIELCh	75, 38.596, 265.014
Yxy	48.3320, 0.2300, 0.2483
Android (android.graphics.Color)	4286365439 (0xFF7CBEFF)
YUV	177.6760, 38.1207, -47.0739
Hunter-Lab	69.5212, -6.7127, -37.9401

Details

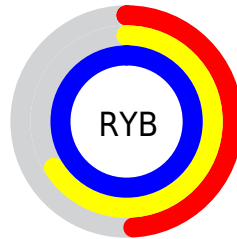
The Yxy color **48.3320, 0.2300, 0.2483** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.0827, 0.4224, 0.3958**, and the grayscale version is **44.1593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1988, 0.2706, 0.3192**, and **22.9927, 0.2094, 0.2279** is the 20% darker color. If you saturate the color by 10%, you get **41.4309, 0.2152, 0.2290**, and if you desaturate by 10%, it is **56.2029, 0.2459, 0.2667**.

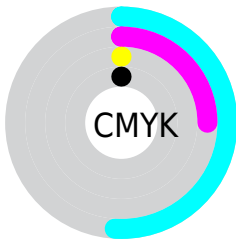
Distribution



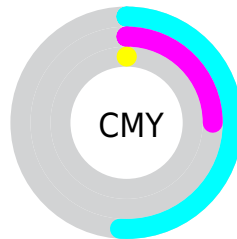
- Red (49%)
- Green (75%)
- Blue (100%)



- Red (49%)
- Yellow (66%)
- Blue (100%)



- Cyan (51%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3320, 0.2300, 0.2483 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 48.3320, 0.2300, 0.2483 by changing the saturation by 10% instead.

■ 48.3320, 0.2300,
0.2483

■ 48.3320, 0.2300,
0.2483

■ 380.1066, 0.2695,
0.2873

■ 34.0899, 0.2208,
0.2392

■ 87.6985, 0.2439,
0.2620

■ 22.9627, 0.2095,
0.2278

■ 113.5917, 0.2492,
0.2673

■ 14.5659, 0.1952,
0.2134

■ 144.1374, 0.2538,
0.2719

■ 8.5153, 0.1766,
0.1946

■ 179.7199, 0.2578,
0.2758

■ 4.4264, 0.1521,
0.1695

■ 220.7237, 0.2613,
0.2792

■ 1.9148, 0.1189,
0.1350

■ 267.5331, 0.2644,

■ 0.5573, 0.0670,

0.2822

0.0834

320.5326, 0.2671,
0.2849

0.0000, 0.0000,
0.0000

48.3320, 0.2300,
0.2483

48.3320, 0.2300,
0.2483

41.4309, 0.2152,
0.2290

56.2029, 0.2459,
0.2667

35.4436, 0.2020,
0.2094

65.0844, 0.2623,
0.2840

30.3150, 0.1910,
0.1899

75.0208, 0.2787,
0.2999

25.9784, 0.1823,
0.1712

86.0521, 0.2950,
0.3144

22.7914, 0.1766,
0.1558

98.2155, 0.3106,
0.3273

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



48.3320, 0.2166, 0.2712



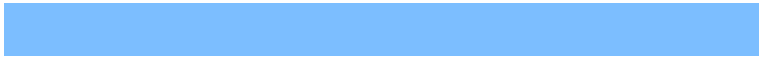
48.3320, 0.2300, 0.2483



48.3320, 0.2642, 0.2460

Triad

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



48.3320, 0.2300, 0.2483



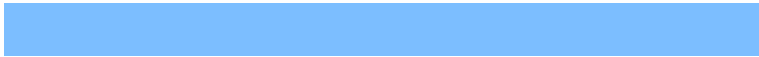
48.3320, 0.4078, 0.3321



48.3320, 0.3041, 0.4117

Complementary

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



48.3320, 0.2300, 0.2483



59.0827, 0.4224, 0.3958

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.



48.3320, 0.3564, 0.4259



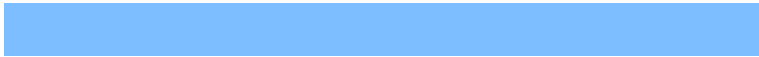
48.3320, 0.2300, 0.2483



48.3320, 0.4189, 0.3738

Square

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



48.3320, 0.2300, 0.2483



48.3320, 0.3681, 0.2925



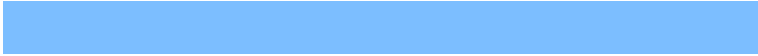
48.3320, 0.3990, 0.4092



48.3320, 0.2566, 0.3679

Rectangle

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



48.3320, 0.2300, 0.2483



48.3320, 0.2964, 0.2548



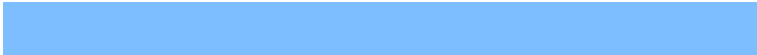
48.3320, 0.3990, 0.4092



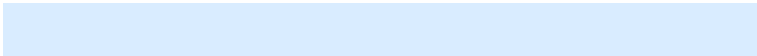
48.3320, 0.3217, 0.4202

Sweetspot

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



48.3338, 0.2300, 0.2483



81.9415, 0.2891, 0.3093



79.3850, 0.2761, 0.4131



17.0394, 0.2857, 0.3063



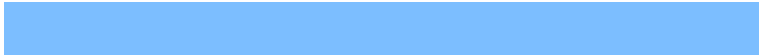
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.3338, 0.2300, 0.2483



41.0384, 0.2143, 0.2278



26.4688, 0.2139, 0.1673



18.8910, 0.2979, 0.3169



12.2114, 0.1774, 0.1587



1.4075, 0.1831, 0.1792

Inverse Universe

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



39.3853, 0.3839, 0.2619



32.9489, 0.4068, 0.2510



92.8244, 0.3889, 0.4517



18.1399, 0.3215, 0.3171



11.9607, 0.4947, 0.2499



1.1866, 0.4695, 0.2360

Previews

White Background



This preview shows how the Yxy color 48.3320, 0.2300, 0.2483 looks on a white background.

Color Contrast Check

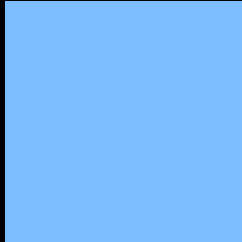
Large Text (above 18pt) WCAG AA × Fail

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 48.3320, 0.2300, 0.2483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

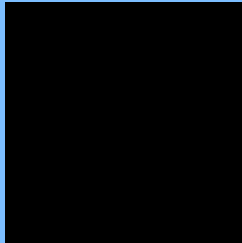
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

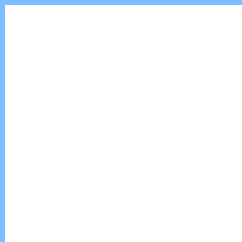
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3320, 0.2300, 0.2483

Background



This preview shows how black text looks on a background with the Yxy color 48.3320, 0.2300, 0.2483.



This preview shows how white text looks on a background with the Yxy color 48.3320, 0.2300, 0.2483.

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

48.3320, 0.2300, 0.2483

Protanopia

48.2325, 0.2549, 0.2500

Deuteranopia

48.1495, 0.2480, 0.2423



Tritanopia

48.5582, 0.2449, 0.3068

Trichromacy



Original Color

48.3320, 0.2300, 0.2483

Protanomaly

48.1470, 0.2446, 0.2488

Deuteranomaly

48.1210, 0.2408, 0.2443

Tritanomaly

48.3322, 0.2391, 0.2837

Monochromacy



Original Color

48.3320, 0.2300, 0.2483

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1812, 0.2760, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3320, 0.2300, 0.2483 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(124, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 190, 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(124, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.3320, 0.2300, 0.2483 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(124, 190, 255) }
```

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

```
.border{ border-color:rgb(124, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3320, 0.2300, 0.2483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 190, 255) }
```

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

```
.background{ background-color: rgb(124,  
190, 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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