

Converting Colors

$Y_{xy}(41.2665, 0.2082, 0.2303)$

Have a look what the booklet for
Yxy(41.2665, 0.2082, 0.2303)
contains.

Yxy(41.3990, 0.2082, 0.2308)	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(41.3990, 0.2082, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	4CB4FF
RGB	76, 180, 255
RGB Percent	30%, 71%, 100%
CMY	0.7023, 0.2941, 0.0000
CMYK	0.70, 0.29, 0.00, 0.00
HSL	205°, 100%, 65%
HSV	205°, 70%, 100%
XYZ	37.3452, 41.3990, 100.6276
YIQ	157.4540, -86.0590, 1.2770

Conversions

Conversions Part 2

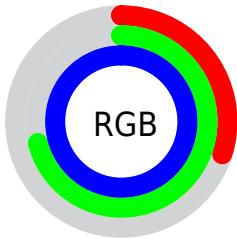
Format	Color
R _Y B	76, 142, 255
Decimal	5027071
CIE Lab	70.45, -6.43, -45.75
CIE LCh	70, 46.203, 261.994
Yxy	41.3990, 0.2082, 0.2308
Android (android.graphics.Color)	4283217151 (0xFF4CB4FF)
YUV	157.4540, 48.0902, -71.4352
Hunter-Lab	64.3421, -8.9942, -47.6870

Details

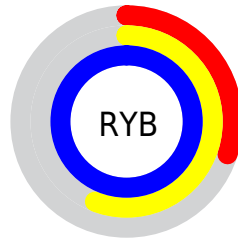
The Yxy color **41.3990, 0.2082, 0.2308** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **43.8787, 0.4875, 0.3991**, and the grayscale version is **33.7305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0505, 0.2495, 0.3069**, and **19.5156, 0.1912, 0.2083** is the 20% darker color. If you saturate the color by 10%, you get **36.4097, 0.1980, 0.2143**, and if you desaturate by 10%, it is **47.1366, 0.2204, 0.2472**.

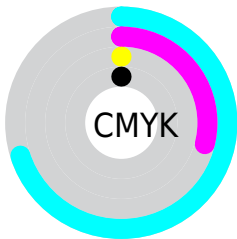
Distribution



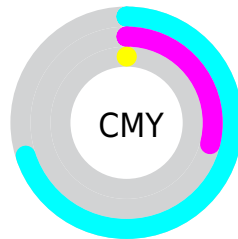
- Red (30%)
- Green (71%)
- Blue (100%)



- Red (30%)
- Yellow (56%)
- Blue (100%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3990, 0.2082, 0.2308 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 41.3990, 0.2082, 0.2308 by changing the saturation by 10% instead.


 41.3990, 0.2082,
0.2308

 41.3990, 0.2082,
0.2308


351.9855, 0.2585,
0.2790

 28.6310, 0.1966,
0.2194


 77.2892, 0.2258,
0.2479


 18.8018, 0.1823,
0.2053


 101.1802, 0.2327,
0.2545

 11.5272, 0.1644,
0.1874


 129.5477, 0.2385,
0.2601

 6.4226, 0.1416,
0.1643

 162.7760, 0.2436,
0.2649

 3.1037, 0.1125,
0.1341

201.2495, 0.2480,
0.2691

 1.1861, 0.0757,
0.0948

245.3527, 0.2519,

 0.0503, 0.0000,

0.2728

0.0090

295.4699, 0.2554,
0.2761

■ 0.0000, 0.0000,
0.0000

■ 41.3990, 0.2082,
0.2308

■ 41.3990, 0.2082,
0.2308

■ 36.4097, 0.1980,
0.2143

■ 47.1366, 0.2204,
0.2472

■ 32.1048, 0.1900,
0.1981

■ 53.6692, 0.2343,
0.2632

■ 28.4721, 0.1841,
0.1828

■ 61.0432, 0.2492,
0.2785

■ 69.2997, 0.2649,
0.2928

■ 78.4762, 0.2809,
0.3060

■ 88.6080, 0.2968,
0.3180

99.7281, 0.3124,
0.3288

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



41.3990, 0.1947, 0.2600



41.3990, 0.2082, 0.2308



41.3990, 0.2468, 0.2266

Triad

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



41.3990, 0.2082, 0.2308



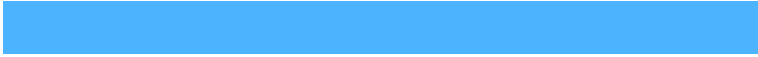
41.3990, 0.4292, 0.3258



41.3990, 0.3069, 0.4396

Complementary

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



41.3990, 0.2082, 0.2308



43.8787, 0.4875, 0.3991

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.



41.3990, 0.3715, 0.4508



41.3990, 0.2082, 0.2308



41.3990, 0.4464, 0.3766

Square

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



41.3990, 0.2082, 0.2308



41.3990, 0.3756, 0.2792



41.3990, 0.4234, 0.4232



41.3990, 0.2472, 0.3853

Rectangle

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



41.3990, 0.2082, 0.2308



41.3990, 0.2850, 0.2361



41.3990, 0.4234, 0.4232



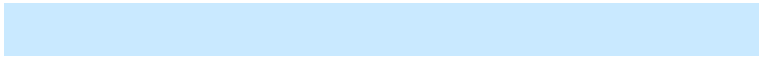
41.3990, 0.3288, 0.4486

Sweetspot

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



41.4004, 0.2082, 0.2308



77.7396, 0.2797, 0.3050



75.2704, 0.2753, 0.4680



16.0813, 0.2752, 0.3015



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.



41.4004, 0.2082, 0.2308



34.7113, 0.1947, 0.2081



16.2060, 0.1801, 0.1180



19.1321, 0.2979, 0.3188



15.1795, 0.1848, 0.1854



1.6941, 0.1898, 0.2033

Inverse Universe

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



29.7116, 0.4069, 0.2322



25.5602, 0.4341, 0.2272



84.1436, 0.4164, 0.4753



18.1642, 0.3203, 0.3153



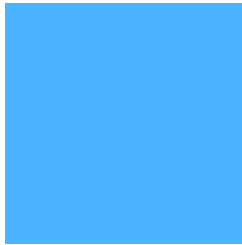
12.2603, 0.4622, 0.2320



1.2156, 0.4416, 0.2206

Previews

White Background



This preview shows how the Yxy color 41.3990, 0.2082, 0.2308 looks on a white background.

Color Contrast Check

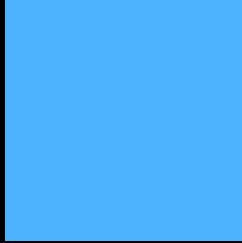
Large Text (above 18pt) WCAG AA × Fail

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 41.3990, 0.2082, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

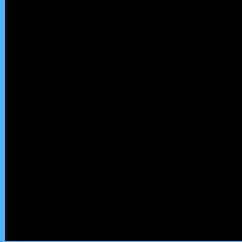
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

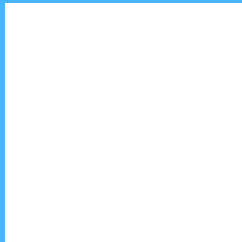
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3990, 0.2082, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 41.3990, 0.2082, 0.2308.



This preview shows how white text looks on a background with the Yxy color 41.3990, 0.2082, 0.2308.

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

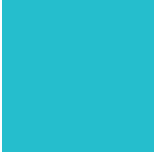
41.3990, 0.2082, 0.2308

Protanopia

41.1407, 0.2415, 0.2328

Deuteranopia

40.9560, 0.2296, 0.2234



Tritanopia

41.6280, 0.2220, 0.3060

Trichromacy



Original Color

41.3990, 0.2082, 0.2308

Protanomaly

40.7916, 0.2267, 0.2316

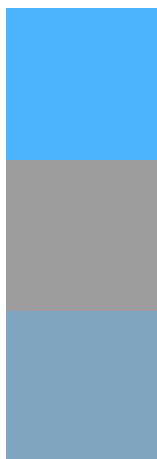
Deuteranomaly

40.9368, 0.2200, 0.2259

Tritanomaly

41.1493, 0.2158, 0.2753

Monochromacy



Original Color

41.3990, 0.2082, 0.2308

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.3497, 0.2602, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3990, 0.2082, 0.2308 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(76, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 180, 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(76, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.3990, 0.2082, 0.2308 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(76, 180, 255) }
```

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

```
.border{ border-color:rgb(76, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3990, 0.2082, 0.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 180, 255) }
```

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

```
.background{ background-color: rgb(76, 180,  
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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