

Converting Colors

$Y_{xy}(46.9700, 0.2042, 0.2515)$

Have a look what the booklet for
Yxy(46.9700, 0.2042, 0.2515)
contains.

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Color

Yxy(46.8486, 0.2041, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	14C4FF
RGB	20, 196, 255
RGB Percent	8%, 77%, 100%
CMY	0.9211, 0.2314, 0.0000
CMYK	0.92, 0.23, 0.00, 0.00
HSL	195°, 100%, 54%
HSV	195°, 92%, 100%
XYZ	38.0796, 46.8486, 101.6452
YIQ	150.1020, -123.8350, -18.9630

Conversions

Conversions Part 2

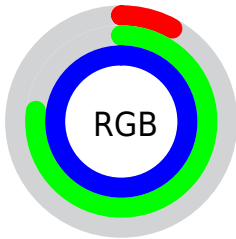
Format	Color
R_{YB}	20, 121, 255
Decimal	1361151
CIE Lab	74.09, -19.73, -40.13
CIE LCh	74, 44.722, 243.819
Yxy	46.8486, 0.2041, 0.2511
Android (android.graphics.Color)	4279551231 (0xFF14C4FF)
YUV	150.1020, 51.7147, -114.0995
Hunter-Lab	68.4460, -20.4729, -40.1359

Details

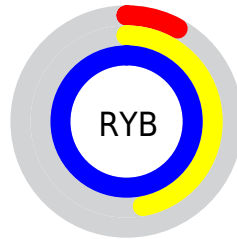
The Yxy color **46.8486, 0.2041, 0.2511** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.9185, 0.5919, 0.3607**, and the grayscale version is **30.3753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2525, 0.2431, 0.3265**, and **23.4232, 0.1983, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **44.4597, 0.2011, 0.2438**, and if you desaturate by 10%, it is **50.2235, 0.2094, 0.2605**.

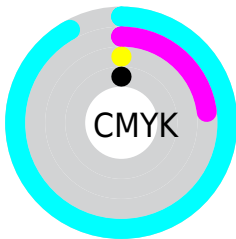
Distribution



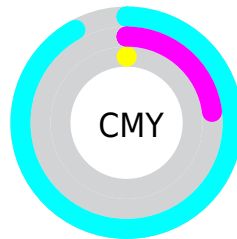
- Red (8%)
- Green (77%)
- Blue (100%)



- Red (8%)
- Yellow (47%)
- Blue (100%)



- Cyan (92%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (92%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8486, 0.2041, 0.2511 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 46.8486, 0.2041, 0.2511 by changing the saturation by 10% instead.


 46.8486, 0.2041,
0.2511

 46.8486, 0.2041,
0.2511


374.2099, 0.2552,
0.2900


 32.9160, 0.1925,
0.2417


 85.4876, 0.2218,
0.2651


 22.0621, 0.1784,
0.2299

 110.9627, 0.2287,
0.2704

 13.9025, 0.1609,
0.2147

 141.0542, 0.2347,
0.2749

 8.0529, 0.1389,
0.1948

 176.1464, 0.2398,
0.2788

 4.1288, 0.1108,
0.1678

 216.6236, 0.2444,
0.2822

 1.7459, 0.0757,
0.1307

262.8704, 0.2484,

 0.4531, 0.0000,

0.2851

0.0737

315.2710, 0.2520,
0.2877

■ 0.0000, 0.0000,
0.0000

■ 46.8486, 0.2041,
0.2511

■ 46.8486, 0.2041,
0.2511

■ 44.4597, 0.2011,
0.2438

■ 50.2235, 0.2094,
0.2605

■ 54.0718, 0.2168,
0.2700

■ 58.4507, 0.2261,
0.2795

■ 63.4068, 0.2373,
0.2887

■ 68.9804, 0.2500,
0.2976

■ 75.2079, 0.2639,
0.3060

■ 82.1221, 0.2786,
0.3139

■ 89.7536, 0.2939,
0.3211

■ 98.1309, 0.3094,
0.3277

Harmonies

Analogous

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



46.8486, 0.2065, 0.2938



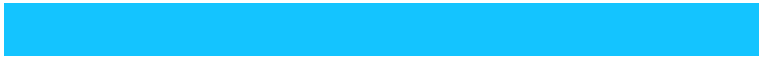
46.8486, 0.2041, 0.2511



46.8486, 0.2264, 0.2328

Triad

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



46.8486, 0.2041, 0.2511



46.8486, 0.3938, 0.2990



46.8486, 0.3450, 0.4427

Complementary

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



46.8486, 0.2041, 0.2511



26.9185, 0.5919, 0.3607

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.



46.8486, 0.3998, 0.4305



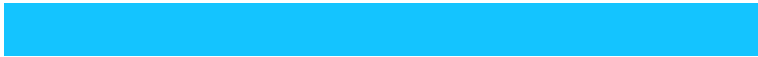
46.8486, 0.2041, 0.2511



46.8486, 0.4319, 0.3454

Square

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



46.8486, 0.2041, 0.2511



46.8486, 0.3329, 0.2607



46.8486, 0.4330, 0.3926



46.8486, 0.2844, 0.4150

Rectangle

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



46.8486, 0.2041, 0.2511



46.8486, 0.2542, 0.2334



46.8486, 0.4330, 0.3926



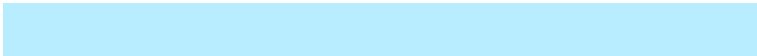
46.8486, 0.3647, 0.4427

Sweetspot

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



46.8500, 0.2041, 0.2511



77.9676, 0.2699, 0.3093



72.2319, 0.2903, 0.5598



16.0693, 0.2636, 0.3058



0.0000, 0.0000, 0.0000



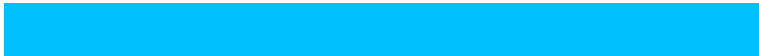
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8500, 0.2041, 0.2511



44.4597, 0.2011, 0.2438



12.9376, 0.1624, 0.0995



19.6633, 0.2980, 0.3229



23.4813, 0.2015, 0.2453



2.4598, 0.2045, 0.2560

Inverse Universe

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



25.7497, 0.3907, 0.1955



25.0194, 0.3985, 0.1969



60.9159, 0.4659, 0.4640



18.2178, 0.3177, 0.3114



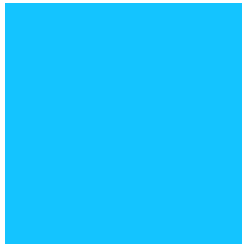
13.0984, 0.3969, 0.1960



1.2929, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 46.8486, 0.2041, 0.2511 looks on a white background.

Color Contrast Check

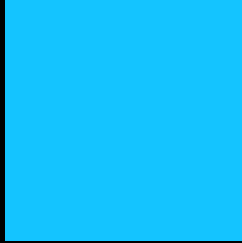
Large Text (above 18pt) WCAG AA × Fail

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 46.8486, 0.2041, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

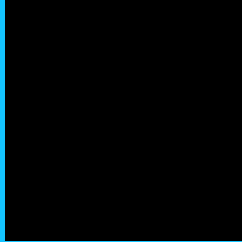
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

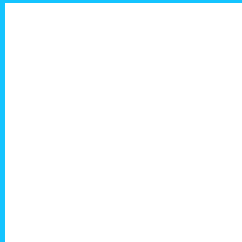
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8486, 0.2041, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 46.8486, 0.2041, 0.2511.



This preview shows how white text looks on a background with the Yxy color 46.8486, 0.2041, 0.2511.

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

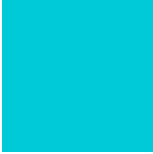
46.8486, 0.2041, 0.2511

Protanopia

45.9782, 0.2570, 0.2519

Deuteranopia

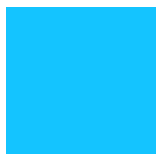
46.2325, 0.2431, 0.2376



Tritanopia

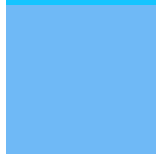
46.7312, 0.2186, 0.3069

Trichromacy



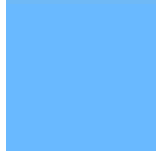
Original Color

46.8486, 0.2041, 0.2511



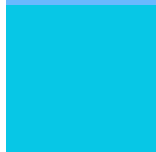
Protanomaly

44.7313, 0.2265, 0.2500



Deuteranomaly

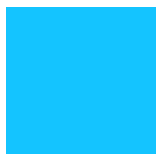
44.9212, 0.2202, 0.2399



Tritanomaly

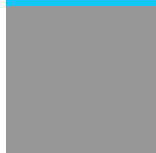
46.6052, 0.2129, 0.2852

Monochromacy



Original Color

46.8486, 0.2041, 0.2511



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.1518, 0.2471, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8486, 0.2041, 0.2511 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(20, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(20, 196, 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(20, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8486, 0.2041, 0.2511 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(20, 196, 255) }
```

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

```
.border{ border-color:rgb(20, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8486, 0.2041, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 196, 255) }
```

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

```
.background{ background-color: rgb(20, 196,  
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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