

Converting Colors

$Yxy(46.6981, 0.2044, 0.2506)$

Have a look what the booklet for
Yxy(46.6981, 0.2044, 0.2506)
contains.

Yxy(46.9195, 0.2046, 0.2512)	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(46.9195, 0.2046, 0.2512)

Conversions

Conversions Part 1

Format	Color
Hex	1AC4FF
RGB	26, 196, 255
RGB Percent	10%, 77%, 100%
CMY	0.8979, 0.2314, 0.0000
CMYK	0.90, 0.23, 0.00, 0.00
HSL	195°, 100%, 55%
HSV	195°, 90%, 100%
XYZ	38.2155, 46.9195, 101.6465
YIQ	151.8960, -120.2590, -17.6910

Conversions

Conversions Part 2

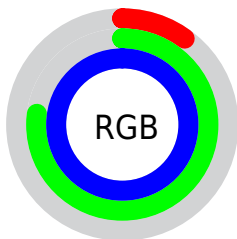
Format	Color
R _Y B	26, 124, 255
Decimal	1754367
CIE Lab	74.14, -19.49, -40.06
CIE LCh	74, 44.546, 244.055
Yxy	46.9195, 0.2046, 0.2512
Android (android.graphics.Color)	4279944447 (0xFF1AC4FF)
YUV	151.8960, 50.8303, -110.4108
Hunter-Lab	68.4978, -20.2846, -40.0342

Details

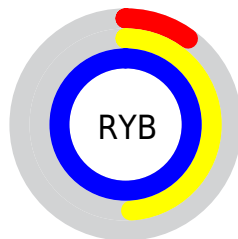
The Yxy color **46.9195, 0.2046, 0.2512** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.8367, 0.5839, 0.3638**, and the grayscale version is **31.1740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3925, 0.2438, 0.3265**, and **23.4232, 0.1983, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **43.8048, 0.2005, 0.2416**, and if you desaturate by 10%, it is **50.4483, 0.2105, 0.2609**.

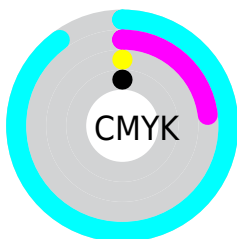
Distribution



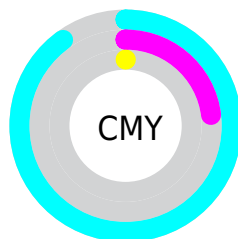
- Red (10%)
- Green (77%)
- Blue (100%)



- Red (10%)
- Yellow (49%)
- Blue (100%)



- Cyan (90%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9195, 0.2046, 0.2512 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 46.9195, 0.2046, 0.2512 by changing the saturation by 10% instead.


 46.9195, 0.2046,
0.2512


 46.9195, 0.2046,
0.2512


 374.4931, 0.2555,
0.2901


 32.9720, 0.1931,
0.2418


 85.5934, 0.2222,
0.2651


 22.1050, 0.1790,
0.2300


 111.0887, 0.2291,
0.2704


 13.9341, 0.1616,
0.2149


 141.2020, 0.2350,
0.2749

 8.0748, 0.1396,
0.1950

 176.3178, 0.2402,
0.2788

 4.1429, 0.1116,
0.1681

 216.8204, 0.2447,
0.2822

 1.7538, 0.0765,
0.1311

263.0942, 0.2487,

 0.4581, 0.0000,

0.2851

0.0745

315.5236, 0.2523,
0.2877

■ 0.0000, 0.0000,
0.0000

■ 46.9195, 0.2046,
0.2512

■ 46.9195, 0.2046,
0.2512

■ 43.8048, 0.2005,
0.2416

■ 50.4483, 0.2105,
0.2609

■ 43.7412, 0.2004,
0.2414

■ 54.4707, 0.2184,
0.2707

■ 59.0416, 0.2283,
0.2804

■ 64.2059, 0.2399,
0.2898

■ 70.0031, 0.2530,
0.2988

■ 76.4686, 0.2672,
0.3073

■ 83.6351, 0.2821,
0.3153

■ 91.5326, 0.2975,
0.3225

■ 99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



46.9195, 0.2068, 0.2936



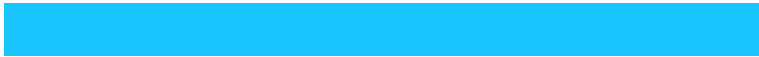
46.9195, 0.2046, 0.2512



46.9195, 0.2270, 0.2332

Triad

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



46.9195, 0.2046, 0.2512



46.9195, 0.3939, 0.2995



46.9195, 0.3444, 0.4422

Complementary

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



46.9195, 0.2046, 0.2512



27.8367, 0.5839, 0.3638

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.



46.9195, 0.3991, 0.4303



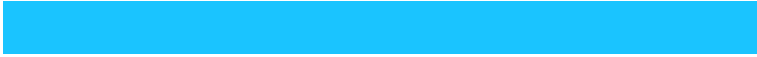
46.9195, 0.2046, 0.2512



46.9195, 0.4315, 0.3458

Square

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



46.9195, 0.2046, 0.2512



46.9195, 0.3333, 0.2612



46.9195, 0.4324, 0.3928



46.9195, 0.2841, 0.4142

Rectangle

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



46.9195, 0.2046, 0.2512



46.9195, 0.2549, 0.2338



46.9195, 0.4324, 0.3928



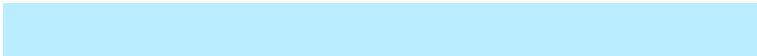
46.9195, 0.3641, 0.4422

Sweetspot

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



46.9211, 0.2046, 0.2512



78.3968, 0.2713, 0.3096



72.3671, 0.2897, 0.5552



16.2768, 0.2663, 0.3068



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.



46.9211, 0.2046, 0.2512



43.7423, 0.2004, 0.2414



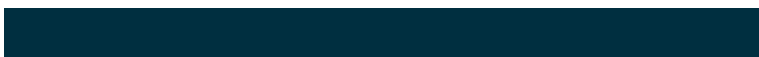
13.6694, 0.1644, 0.1041



19.6425, 0.2980, 0.3227



23.1101, 0.2008, 0.2430



2.4263, 0.2039, 0.2540

Inverse Universe

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



25.9857, 0.3905, 0.1967



24.9470, 0.4009, 0.1982



61.6118, 0.4636, 0.4639



18.2157, 0.3178, 0.3115



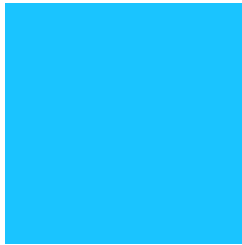
13.0609, 0.3992, 0.1973



1.2895, 0.3883, 0.1913

Previews

White Background



This preview shows how the Yxy color 46.9195, 0.2046, 0.2512 looks on a white background.

Color Contrast Check

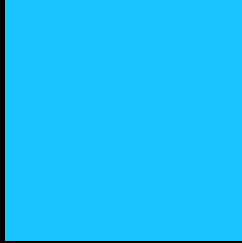
Large Text (above 18pt) WCAG AA × Fail

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 46.9195, 0.2046, 0.2512 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

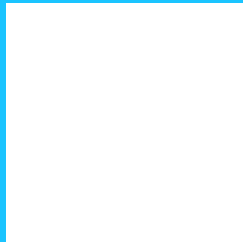
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9195, 0.2046, 0.2512

Background



This preview shows how black text looks on a background with the Yxy color 46.9195, 0.2046, 0.2512.



This preview shows how white text looks on a background with the Yxy color 46.9195, 0.2046, 0.2512.

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

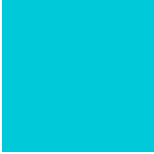
46.9195, 0.2046, 0.2512

Protanopia

46.4375, 0.2566, 0.2522

Deuteranopia

46.2325, 0.2431, 0.2376



Tritanopia

46.7830, 0.2182, 0.3056

Trichromacy



Original Color

46.9195, 0.2046, 0.2512



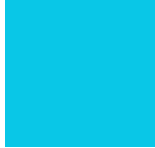
Protanomaly

44.9240, 0.2270, 0.2491



Deuteranomaly

45.0437, 0.2210, 0.2401



Tritanomaly

46.6744, 0.2126, 0.2839

Monochromacy



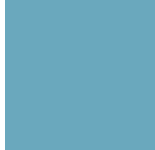
Original Color

46.9195, 0.2046, 0.2512



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.7436, 0.2486, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9195, 0.2046, 0.2512 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(26, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 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(26, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.9195, 0.2046, 0.2512 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(26, 196, 255) }
```

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

```
.border{ border-color:rgb(26, 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(26, 196, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9195, 0.2046, 0.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 196, 255) }
```

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

```
.background{ background-color: rgb(26, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor