

Converting Colors

$Y_{xy}(47.0688, 0.2040, 0.2519)$

Have a look what the booklet for
Yxy(47.0688, 0.2040, 0.2519)
contains.

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Color

Yxy(47.2541, 0.2042, 0.2524)

Conversions

Conversions Part 1

Format	Color
Hex	10C5FF
RGB	16, 197, 255
RGB Percent	6%, 77%, 100%
CMY	0.9366, 0.2275, 0.0000
CMYK	0.94, 0.23, 0.00, 0.00
HSL	195°, 100%, 53%
HSV	195°, 94%, 100%
XYZ	38.2301, 47.2541, 101.7349
YIQ	149.4930, -126.4940, -20.3340

Conversions

Conversions Part 2

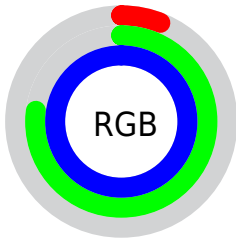
Format	Color
R _Y B	16, 119, 255
Decimal	1099263
CIE Lab	74.35, -20.36, -39.74
CIE LCh	74, 44.658, 242.871
Yxy	47.2541, 0.2042, 0.2524
Android (android.graphics.Color)	4279289343 (0xFF10C5FF)
YUV	149.4930, 52.0150, -117.0734
Hunter-Lab	68.7416, -21.0264, -39.6277

Details

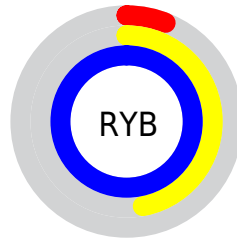
The Yxy color **47.2541, 0.2042, 0.2524** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.2191, 0.5978, 0.3579**, and the grayscale version is **30.1046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8855, 0.2434, 0.3276**, and **23.7221, 0.1988, 0.2356** is the 20% darker color. If you saturate the color by 10%, you get **45.3836, 0.2019, 0.2467**, and if you desaturate by 10%, it is **50.4984, 0.2091, 0.2615**.

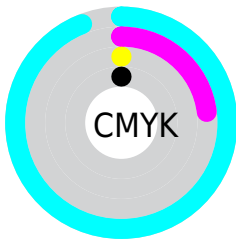
Distribution



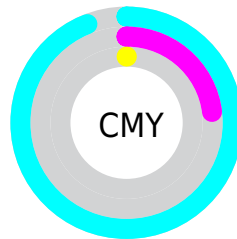
- Red (6%)
- Green (77%)
- Blue (100%)



- Red (6%)
- Yellow (47%)
- Blue (100%)



- Cyan (94%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (94%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2541, 0.2042, 0.2524 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 47.2541, 0.2042, 0.2524 by changing the saturation by 10% instead.

 47.2541, 0.2042,
0.2524

 47.2541, 0.2042,
0.2524


 375.8279, 0.2552,
0.2907


 33.2366, 0.1927,
0.2431


 86.0928, 0.2219,
0.2662


 22.3077, 0.1786,
0.2315


 111.6827, 0.2287,
0.2714

 14.0832, 0.1612,
0.2165


 141.8990, 0.2347,
0.2758

 8.1786, 0.1392,
0.1968

 177.1259, 0.2398,
0.2796

 4.2094, 0.1113,
0.1701

 217.7478, 0.2444,
0.2830

 1.7914, 0.0763,
0.1333

 264.1492, 0.2484,

 0.4818, 0.0000,

0.2859

0.0779

316.7144, 0.2520,
0.2884

■ 0.0000, 0.0000,
0.0000

■ 47.2541, 0.2042,
0.2524

■ 47.2541, 0.2042,
0.2524

■ 45.3836, 0.2019,
0.2467

■ 50.4984, 0.2091,
0.2615

■ 54.2001, 0.2161,
0.2707

■ 58.4167, 0.2250,
0.2798

■ 63.1957, 0.2357,
0.2887

■ 68.5782, 0.2481,
0.2974

■ 74.6009, 0.2618,
0.3056

■ 81.2970, 0.2764,
0.3132

■ 88.6974, 0.2916,
0.3203

■ 96.8305, 0.3070,
0.3268

Harmonies

Analogous

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



47.2541, 0.2074, 0.2957



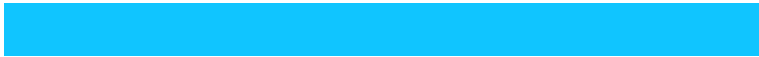
47.2541, 0.2042, 0.2524



47.2541, 0.2257, 0.2334

Triad

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



47.2541, 0.2042, 0.2524



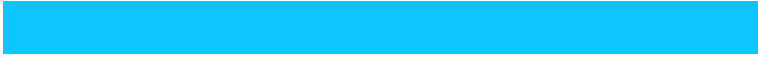
47.2541, 0.3918, 0.2978



47.2541, 0.3468, 0.4424

Complementary

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



47.2541, 0.2042, 0.2524



26.2191, 0.5978, 0.3579

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.



47.2541, 0.4009, 0.4292



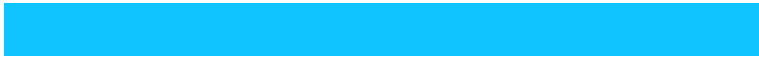
47.2541, 0.2042, 0.2524



47.2541, 0.4307, 0.3439

Square

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



47.2541, 0.2042, 0.2524



47.2541, 0.3308, 0.2600



47.2541, 0.4330, 0.3910



47.2541, 0.2863, 0.4161

Rectangle

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



47.2541, 0.2042, 0.2524



47.2541, 0.2529, 0.2335



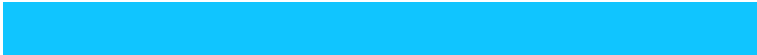
47.2541, 0.4330, 0.3910



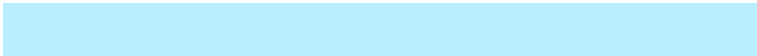
47.2541, 0.3663, 0.4419

Sweetspot

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



47.2540, 0.2042, 0.2524



78.3094, 0.2699, 0.3100



72.0979, 0.2917, 0.5663



16.1525, 0.2637, 0.3066



0.0000, 0.0000, 0.0000



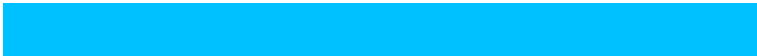
21.4041, 0.3127, 0.3290

Same Dimension

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



47.2540, 0.2042, 0.2524



45.3836, 0.2019, 0.2467



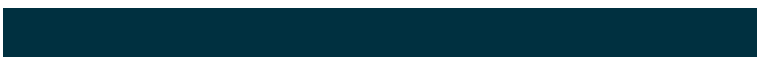
13.0465, 0.1623, 0.1002



19.6897, 0.2980, 0.3231



23.9593, 0.2023, 0.2482



2.5028, 0.2052, 0.2585

Inverse Universe

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



25.6654, 0.3895, 0.1941



25.1126, 0.3955, 0.1952



58.6939, 0.4713, 0.4607



18.2205, 0.3175, 0.3112



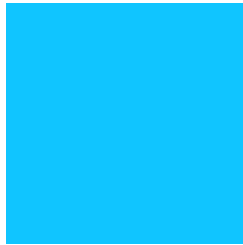
13.1467, 0.3940, 0.1944



1.2972, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 47.2541, 0.2042, 0.2524 looks on a white background.

Color Contrast Check

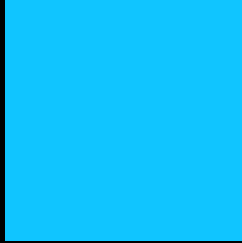
Large Text (above 18pt) WCAG AA × Fail

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 47.2541, 0.2042, 0.2524 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 47.2541, 0.2042, 0.2524

Background



This preview shows how black text looks on a background with the Yxy color 47.2541, 0.2042, 0.2524.

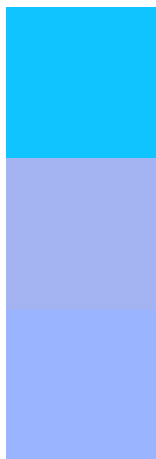


This preview shows how white text looks on a background with the Yxy color 47.2541, 0.2042, 0.2524.

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

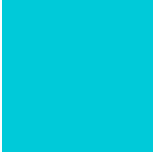
47.2627, 0.2042, 0.2525

Protanopia

46.4836, 0.2578, 0.2533

Deuteranopia

46.7325, 0.2439, 0.2390



Tritanopia

47.2508, 0.2186, 0.3070

Trichromacy



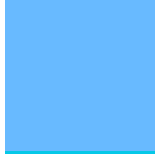
Original Color

47.2627, 0.2042, 0.2525



Protanomaly

45.0866, 0.2264, 0.2512



Deuteranomaly

45.2809, 0.2200, 0.2412



Tritanomaly

47.1168, 0.2129, 0.2854

Monochromacy



Original Color

47.2627, 0.2042, 0.2525



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.0350, 0.2459, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2541, 0.2042, 0.2524 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(16, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(16, 197, 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(16, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.2541, 0.2042, 0.2524 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(16, 197, 255) }
```

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

```
.border{ border-color:rgb(16, 197, 255) }
```

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

Here you see how a box with a 4 pixel rgb(16, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(16, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2541, 0.2042, 0.2524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 197, 255) }
```

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

```
.background{ background-color: rgb(16, 197,  
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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