

Converting Colors

$Y_{xy}(48.5150, 0.2058, 0.2561)$

Have a look what the booklet for
Yxy(48.5150, 0.2058, 0.2561)
contains.

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Color

Yxy(48.7227, 0.2060, 0.2568)

Conversions

Conversions Part 1

Format	Color
Hex	18C8FF
RGB	24, 200, 255
RGB Percent	9%, 78%, 100%
CMY	0.9040, 0.2157, 0.0001
CMYK	0.90, 0.22, 0.00, 0.00
HSL	194°, 100%, 55%
HSV	194°, 90%, 100%
XYZ	39.0844, 48.7227, 101.9230
YIQ	153.6460, -122.5510, -20.2070

Conversions

Conversions Part 2

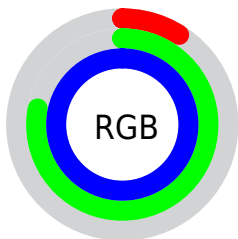
Format	Color
R _Y B	24, 124, 255
Decimal	1624319
CIE Lab	75.28, -21.63, -38.27
CIE LCh	75, 43.957, 240.525
Yxy	48.7227, 0.2060, 0.2568
Android (android.graphics.Color)	4279814399 (0xFF18C8FF)
YUV	153.6460, 49.9675, -113.6995
Hunter-Lab	69.8016, -22.2044, -37.7130

Details

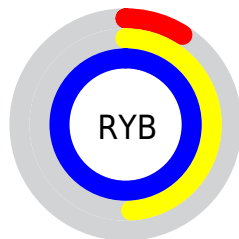
The Yxy color **48.7227, 0.2060, 0.2568** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.9796, 0.5899, 0.3599**, and the grayscale version is **32.0329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **24.6350, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.8707, 0.2023, 0.2483**, and if you desaturate by 10%, it is **52.0749, 0.2115, 0.2657**.

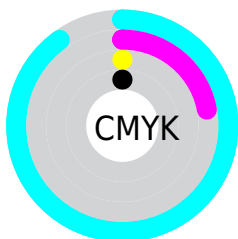
Distribution



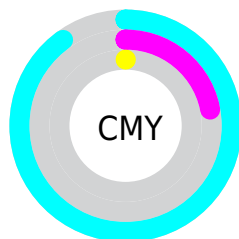
- Red (9%)
- Green (78%)
- Blue (100%)



- Red (9%)
- Yellow (49%)
- Blue (100%)



- Cyan (90%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7227, 0.2060, 0.2568 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 48.7227, 0.2060, 0.2568 by changing the saturation by 10% instead.


 48.7227, 0.2060,
0.2568


 48.7227, 0.2060,
0.2568


381.6496, 0.2560,
0.2930


 34.3996, 0.1947,
0.2480


 88.2795, 0.2233,
0.2698

 23.2007, 0.1810,
0.2370

 114.2819, 0.2300,
0.2747


 14.7418, 0.1639,
0.2228

 144.9462, 0.2358,
0.2789

 8.6384, 0.1424,
0.2040

 180.6567, 0.2409,
0.2825

 4.5061, 0.1150,
0.1785

 221.7980, 0.2454,
0.2856

 1.9605, 0.0803,
0.1428

268.7543, 0.2493,

 0.5844, 0.0043,

0.2884

0.0921

321.9100, 0.2528,
0.2908

■ 0.0000, 0.0000,
0.0000

■ 48.7227, 0.2060,
0.2568

■ 48.7227, 0.2060,
0.2568

■ 45.8707, 0.2023,
0.2483

■ 52.0749, 0.2115,
0.2657

■ 55.8988, 0.2190,
0.2747

■ 60.2497, 0.2285,
0.2836

■ 65.1727, 0.2398,
0.2923

■ 70.7071, 0.2525,
0.3006

■ 76.8883, 0.2665,
0.3085

■ 83.7488, 0.2813,
0.3159

■ 91.3183, 0.2966,
0.3226

99.6248, 0.3121,
0.3288

Harmonies

Analogous

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



48.7227, 0.2112, 0.3010



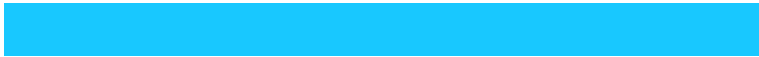
48.7227, 0.2060, 0.2568



48.7227, 0.2252, 0.2362

Triad

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



48.7227, 0.2060, 0.2568



48.7227, 0.3856, 0.2953



48.7227, 0.3507, 0.4397

Complementary

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



48.7227, 0.2060, 0.2568



26.9796, 0.5899, 0.3599

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.



48.7227, 0.4023, 0.4246



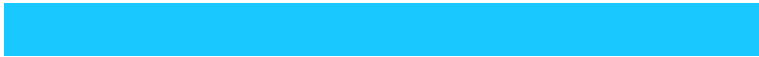
48.7227, 0.2060, 0.2568



48.7227, 0.4259, 0.3401

Square

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



48.7227, 0.2060, 0.2568



48.7227, 0.3255, 0.2592



48.7227, 0.4312, 0.3864



48.7227, 0.2916, 0.4170

Rectangle

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



48.7227, 0.2060, 0.2568



48.7227, 0.2508, 0.2351



48.7227, 0.4312, 0.3864



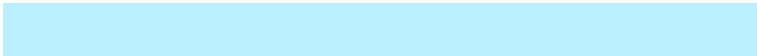
48.7227, 0.3695, 0.4383

Sweetspot

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



48.7244, 0.2060, 0.2568



79.1646, 0.2714, 0.3111



72.2527, 0.2909, 0.5601



16.4597, 0.2665, 0.3085



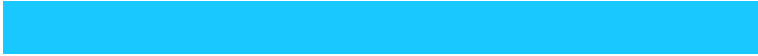
0.0000, 0.0000, 0.0000



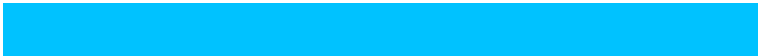
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7244, 0.2060, 0.2568



45.8842, 0.2023, 0.2483



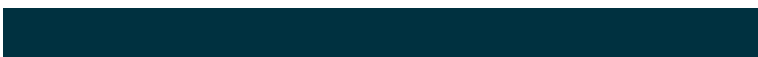
14.0650, 0.1649, 0.1066



19.7039, 0.2980, 0.3232



24.2183, 0.2027, 0.2498



2.5261, 0.2055, 0.2599

Inverse Universe

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



26.0970, 0.3850, 0.1933



25.1632, 0.3939, 0.1943



59.6851, 0.4679, 0.4610



18.2219, 0.3175, 0.3111



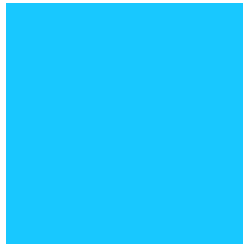
13.1728, 0.3924, 0.1935



1.2996, 0.3825, 0.1881

Previews

White Background



This preview shows how the Yxy color 48.7227, 0.2060, 0.2568 looks on a white background.

Color Contrast Check

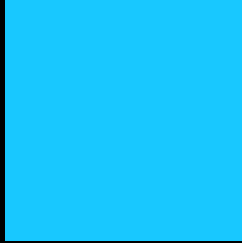
Large Text (above 18pt) WCAG AA × Fail

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 48.7227, 0.2060, 0.2568 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 48.7227, 0.2060, 0.2568

Background



This preview shows how black text looks on a background with the Yxy color 48.7227, 0.2060, 0.2568.



This preview shows how white text looks on a background with the Yxy color 48.7227, 0.2060, 0.2568.

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

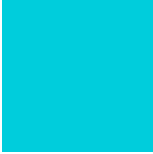
48.7227, 0.2060, 0.2568

Protanopia

48.1316, 0.2610, 0.2576

Deuteranopia

48.0468, 0.2473, 0.2421



Tritanopia

48.8300, 0.2187, 0.3073

Trichromacy



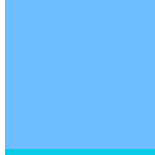
Original Color

48.7227, 0.2060, 0.2568



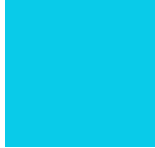
Protanomaly

46.7620, 0.2300, 0.2558



Deuteranomaly

46.9302, 0.2234, 0.2457



Tritanomaly

48.6531, 0.2136, 0.2872

Monochromacy



Original Color

48.7227, 0.2060, 0.2568



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.0132, 0.2488, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7227, 0.2060, 0.2568 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(24, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(24, 200, 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(24, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.7227, 0.2060, 0.2568 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(24, 200, 255) }
```

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

```
.border{ border-color:rgb(24, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(24, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7227, 0.2060, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 200, 255) }
```

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

```
.background{ background-color: rgb(24, 200,  
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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