

Converting Colors

$Y_{xy}(49.0359, 0.1888, 0.1966)$

Have a look what the booklet for
Yxy(49.0359, 0.1888, 0.1966)
contains.

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Color

Yxy(45.0898, 0.2027, 0.2455)

Conversions

Conversions Part 1

Format	Color
Hex	16C0FF
RGB	22, 192, 255
RGB Percent	9%, 75%, 100%
CMY	0.9138, 0.2470, 0.0000
CMYK	0.91, 0.25, 0.00, 0.00
HSL	196°, 100%, 54%
HSV	196°, 91%, 100%
XYZ	37.2289, 45.0898, 101.3464
YIQ	148.3520, -121.5430, -16.4470

Conversions

Conversions Part 2

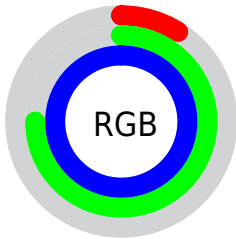
Format	Color
R _Y B	22, 120, 255
Decimal	1491199
CIE Lab	72.95, -17.58, -41.91
CIE LCh	73, 45.447, 247.249
Yxy	45.0898, 0.2027, 0.2455
Android (android.graphics.Color)	4279681279 (0xFF16C0FF)
YUV	148.3520, 52.5775, -110.8107
Hunter-Lab	67.1489, -18.5461, -42.4809

Details

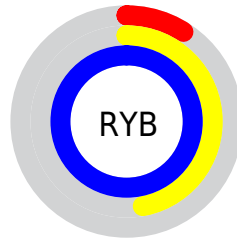
The Yxy color **45.0898, 0.2027, 0.2455** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.8088, 0.5856, 0.3649**, and the grayscale version is **29.5802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1367, 0.2419, 0.3207**, and **22.5425, 0.1968, 0.2283** is the 20% darker color. If you saturate the color by 10%, you get **42.3653, 0.1991, 0.2368**, and if you desaturate by 10%, it is **48.6352, 0.2084, 0.2557**.

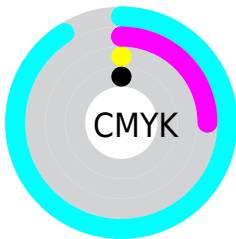
Distribution



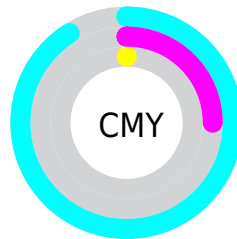
- Red (9%)
- Green (75%)
- Blue (100%)



- Red (9%)
- Yellow (47%)
- Blue (100%)



- Cyan (91%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (91%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0898, 0.2027, 0.2455 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 45.0898, 0.2027, 0.2455 by changing the saturation by 10% instead.

45.0898, 0.2027,
0.2455

45.0898, 0.2027,
0.2455

367.1371, 0.2547,
0.2871

31.5282, 0.1909,
0.2355

82.8552, 0.2208,
0.2604

21.0014, 0.1765,
0.2229

107.8277, 0.2278,
0.2661

13.1250, 0.1586,
0.2069

137.3726, 0.2338,
0.2709

7.5147, 0.1360,
0.1858

171.8743, 0.2391,
0.2751

3.7860, 0.1075,
0.1576

211.7172, 0.2437,
0.2787

1.5546, 0.0719,
0.1193

257.2857, 0.2478,

0.3267, 0.0000,

0.2819

0.0547

308.9642, 0.2514,
0.2847

■ 0.0000, 0.0000,
0.0000

■ 45.0898, 0.2027,
0.2455

■ 45.0898, 0.2027,
0.2455

■ 42.3653, 0.1991,
0.2368

■ 48.6352, 0.2084,
0.2557

■ 52.6772, 0.2162,
0.2660

■ 57.2726, 0.2260,
0.2763

■ 62.4676, 0.2375,
0.2862

■ 68.3028, 0.2506,
0.2958

■ 74.8144, 0.2647,
0.3049

■ 82.0357, 0.2797,
0.3133

■ 89.9973, 0.2951,
0.3210

■ 98.7277, 0.3106,
0.3281

Harmonies

Analogous

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



45.0898, 0.2022, 0.2864



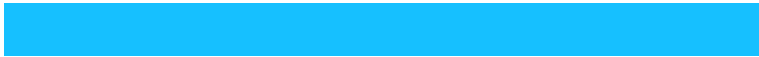
45.0898, 0.2027, 0.2455



45.0898, 0.2283, 0.2297

Triad

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



45.0898, 0.2027, 0.2455



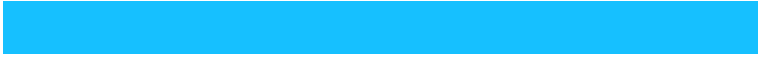
45.0898, 0.4023, 0.3032



45.0898, 0.3385, 0.4452

Complementary

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



45.0898, 0.2027, 0.2455



27.8088, 0.5856, 0.3649

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.



45.0898, 0.3964, 0.4364



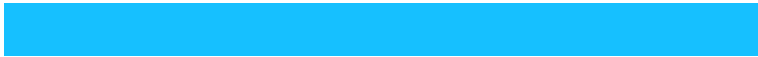
45.0898, 0.2027, 0.2455



45.0898, 0.4375, 0.3512

Square

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



45.0898, 0.2027, 0.2455



45.0898, 0.3410, 0.2628



45.0898, 0.4340, 0.3992



45.0898, 0.2767, 0.4120

Rectangle

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



45.0898, 0.2027, 0.2455



45.0898, 0.2584, 0.2320



45.0898, 0.4340, 0.3992



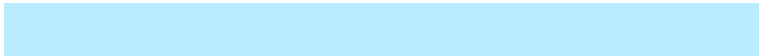
45.0898, 0.3591, 0.4466

Sweetspot

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



45.0913, 0.2027, 0.2455



77.8925, 0.2712, 0.3086



72.3310, 0.2890, 0.5546



16.1568, 0.2661, 0.3057



0.0000, 0.0000, 0.0000



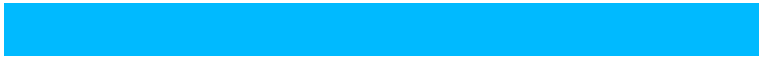
21.4041, 0.3127, 0.3290

Same Dimension

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



45.0913, 0.2027, 0.2455



42.3659, 0.1991, 0.2368



12.6064, 0.1620, 0.0973



19.6020, 0.2980, 0.3224



22.3975, 0.1996, 0.2385



2.3619, 0.2028, 0.2501

Inverse Universe

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



25.6383, 0.3962, 0.1990



24.8080, 0.4056, 0.2008



62.9161, 0.4616, 0.4670



18.2116, 0.3180, 0.3118



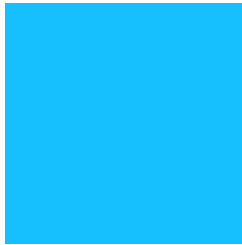
12.9890, 0.4038, 0.1998



1.2830, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 45.0898, 0.2027, 0.2455 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 45.0898, 0.2027, 0.2455 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

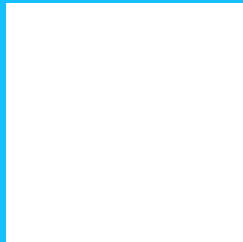
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0898, 0.2027, 0.2455

Background



This preview shows how black text looks on a background with the Yxy color 45.0898, 0.2027, 0.2455.



This preview shows how white text looks on a background with the Yxy color 45.0898, 0.2027, 0.2455.

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

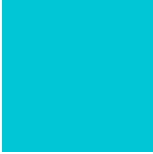
45.0898, 0.2027, 0.2455

Protanopia

44.3398, 0.2526, 0.2464

Deuteranopia

44.3817, 0.2384, 0.2329



Tritanopia

45.1923, 0.2185, 0.3067

Trichromacy



Original Color

45.0898, 0.2027, 0.2455

Protanomaly

43.0144, 0.2240, 0.2432

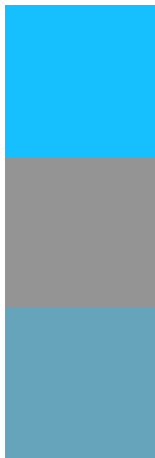
Deuteranomaly

43.4426, 0.2176, 0.2355

Tritanomaly

45.1329, 0.2124, 0.2833

Monochromacy



Original Color

45.0898, 0.2027, 0.2455

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

32.9636, 0.2462, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0898, 0.2027, 0.2455 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(22, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 192, 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(22, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 192, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.0898, 0.2027, 0.2455 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(22, 192, 255) }
```

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

```
.border{ border-color:rgb(22, 192, 255) }
```

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

Here you see how a box with a 4 pixel rgb(22, 192, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 192,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0898, 0.2027, 0.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 192, 255) }
```

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

```
.background{ background-color: rgb(22, 192,  
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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