

Converting Colors

$Y_{xy}(49.6332, 0.2066, 0.2595)$

Have a look what the booklet for
Yxy(49.6332, 0.2066, 0.2595)
contains.

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Color

Yxy(49.6432, 0.2066, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	17CAFF
RGB	23, 202, 255
RGB Percent	9%, 79%, 100%
CMY	0.9108, 0.2078, 0.0000
CMYK	0.91, 0.21, 0.00, 0.00
HSL	194°, 100%, 54%
HSV	194°, 91%, 100%
XYZ	39.5233, 49.6432, 102.1368
YIQ	154.5210, -123.6970, -21.4650

Conversions

Conversions Part 2

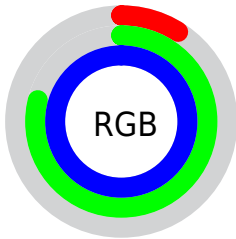
Format	Color
R _Y B	23, 124, 255
Decimal	1559295
CIE Lab	75.85, -22.70, -37.42
CIE LCh	76, 43.769, 238.753
Yxy	49.6432, 0.2066, 0.2595
Android (android.graphics.Color)	4279749375 (0xFF17CAFF)
YUV	154.5210, 49.5361, -115.3439
Hunter-Lab	70.4579, -23.1721, -36.6271

Details

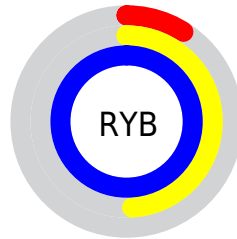
The Yxy color **49.6432, 0.2066, 0.2595** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.4524, 0.5941, 0.3575**, and the grayscale version is **32.3389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **25.2570, 0.2013, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **47.0699, 0.2034, 0.2521**, and if you desaturate by 10%, it is **52.8798, 0.2118, 0.2680**.

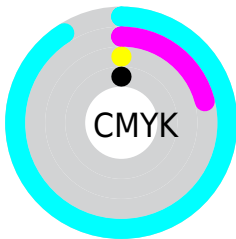
Distribution



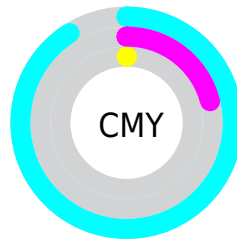
- Red (9%)
- Green (79%)
- Blue (100%)



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



- Cyan (91%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6432, 0.2066, 0.2595 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 49.6432, 0.2066, 0.2595 by changing the saturation by 10% instead.


 49.6432, 0.2066,
0.2595

 49.6432, 0.2066,
0.2595


385.2690, 0.2562,
0.2944


 35.1300, 0.1954,
0.2510


 89.6460, 0.2237,
0.2720

 23.7630, 0.1818,
0.2404


 115.9044, 0.2304,
0.2768


 15.1579, 0.1649,
0.2267


 146.8466, 0.2362,
0.2808

 8.9303, 0.1437,
0.2084

 182.8570, 0.2412,
0.2843

 4.6957, 0.1165,
0.1836

 224.3201, 0.2456,
0.2873

 2.0699, 0.0821,
0.1486

271.6202, 0.2495,

 0.6476, 0.0095,

0.2899

0.1001

325.1417, 0.2530,
0.2923

■ 0.0000, 0.0000,
0.0000

■ 49.6432, 0.2066,
0.2595

■ 49.6432, 0.2066,
0.2595

■ 47.0699, 0.2034,
0.2521

■ 52.8798, 0.2118,
0.2680

■ 56.5772, 0.2191,
0.2766

■ 60.7891, 0.2283,
0.2851

■ 65.5608, 0.2393,
0.2934

■ 70.9319, 0.2518,
0.3014

■ 76.9379, 0.2656,
0.3089

■ 83.6112, 0.2803,
0.3160

■ 90.9817, 0.2955,
0.3225

■ 99.0772, 0.3110,
0.3284

Harmonies

Analogous

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



49.6432, 0.2132, 0.3046



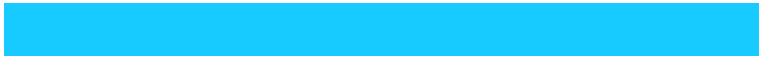
49.6432, 0.2066, 0.2595



49.6432, 0.2243, 0.2377

Triad

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



49.6432, 0.2066, 0.2595



49.6432, 0.3817, 0.2932



49.6432, 0.3538, 0.4385

Complementary

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



49.6432, 0.2066, 0.2595



26.4524, 0.5941, 0.3575

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.



49.6432, 0.4039, 0.4219



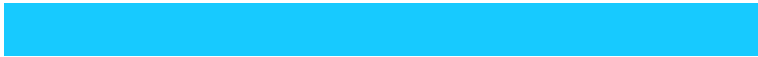
49.6432, 0.2066, 0.2595



49.6432, 0.4232, 0.3374

Square

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



49.6432, 0.2066, 0.2595



49.6432, 0.3217, 0.2581



49.6432, 0.4307, 0.3834



49.6432, 0.2952, 0.4184

Rectangle

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



49.6432, 0.2066, 0.2595



49.6432, 0.2488, 0.2357



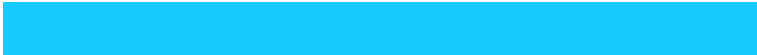
49.6432, 0.4307, 0.3834



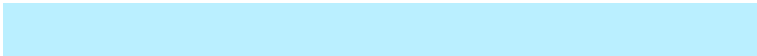
49.6432, 0.3722, 0.4365

Sweetspot

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



49.6425, 0.2066, 0.2595



79.5814, 0.2715, 0.3119



72.1808, 0.2920, 0.5649



16.5591, 0.2666, 0.3094



0.0000, 0.0000, 0.0000



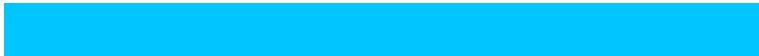
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6425, 0.2066, 0.2595



47.0699, 0.2034, 0.2521



14.4679, 0.1653, 0.1091



19.7371, 0.2980, 0.3234



24.8314, 0.2037, 0.2535



2.5811, 0.2064, 0.2631

Inverse Universe

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



26.1268, 0.3824, 0.1914



25.2829, 0.3902, 0.1923



57.7984, 0.4724, 0.4578



18.2253, 0.3173, 0.3108



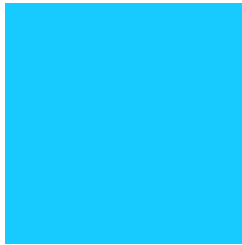
13.2347, 0.3888, 0.1915



1.3051, 0.3794, 0.1864

Previews

White Background



This preview shows how the Yxy color 49.6432, 0.2066, 0.2595 looks on a white background.

Color Contrast Check

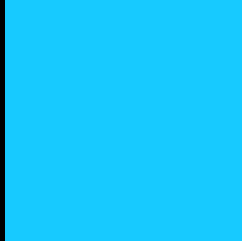
Large Text (above 18pt) WCAG AA × Fail

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 49.6432, 0.2066, 0.2595 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 49.6432, 0.2066, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 49.6432, 0.2066, 0.2595.



This preview shows how white text looks on a background with the Yxy color 49.6432, 0.2066, 0.2595.

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

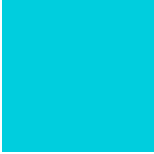
49.6432, 0.2066, 0.2595

Protanopia

48.7639, 0.2625, 0.2591

Deuteranopia

48.7684, 0.2494, 0.2438



Tritanopia

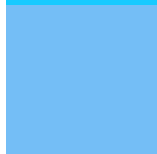
49.4165, 0.2184, 0.3061

Trichromacy



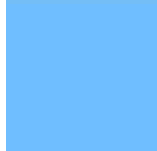
Original Color

49.6432, 0.2066, 0.2595



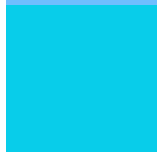
Protanomaly

47.1937, 0.2302, 0.2572



Deuteranomaly

47.4264, 0.2241, 0.2471



Tritanomaly

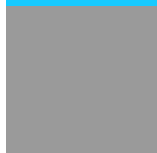
49.6548, 0.2139, 0.2888

Monochromacy



Original Color

49.6432, 0.2066, 0.2595



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.9516, 0.2482, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6432, 0.2066, 0.2595 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(23, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 202, 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(23, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.6432, 0.2066, 0.2595 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(23, 202, 255) }
```

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

```
.border{ border-color:rgb(23, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6432, 0.2066, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 202, 255) }
```

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

```
.background{ background-color: rgb(23, 202,  
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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