

Converting Colors

$Y_{xy}(52.4260, 0.2105, 0.2714)$

Have a look what the booklet for
Yxy(52.4260, 0.2105, 0.2714)
contains.

Yxy(52.4160, 0.2105, 0.2714)	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>	29

Color

Yxy(52.4160, 0.2105, 0.2714)

Conversions

Conversions Part 1

Format	Color
Hex	1ED0FC
RGB	30, 208, 252
RGB Percent	12%, 82%, 99%
CMY	0.8834, 0.1843, 0.0118
CMYK	0.88, 0.17, 0.00, 0.01
HSL	192°, 97%, 55%
HSV	192°, 88%, 99%
XYZ	40.6543, 52.4160, 100.0616
YIQ	159.7940, -120.2120, -24.0520

Conversions

Conversions Part 2

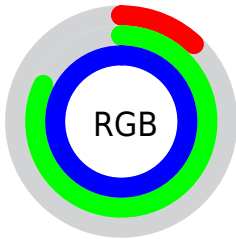
Format	Color
RYB	30, 129, 252
Decimal	2019580
CIELab	77.53, -26.42, -33.19
CIELCh	78, 42.418, 231.483
Yxy	52.4160, 0.2105, 0.2714
Android (android.graphics.Color)	4280209660 (0xFF1ED0FC)
YUV	159.7940, 45.4576, -113.8293
Hunter-Lab	72.3989, -26.4647, -31.2648

Details

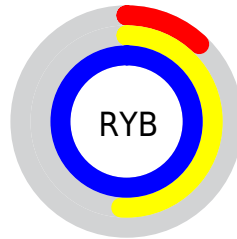
The Yxy color **52.4160, 0.2105, 0.2714** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.6455, 0.5916, 0.3545**, and the grayscale version is **34.8472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **26.7226, 0.2050, 0.2579** is the 20% darker color. If you saturate the color by 10%, you get **49.7815, 0.2069, 0.2642**, and if you desaturate by 10%, it is **55.4262, 0.2159, 0.2787**.

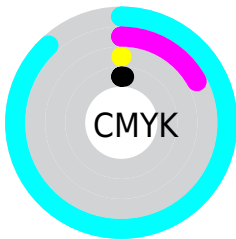
Distribution



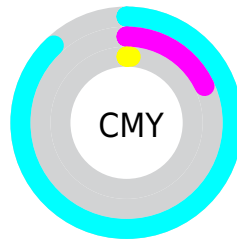
- Red (12%)
- Green (82%)
- Blue (99%)



- Red (12%)
- Yellow (51%)
- Blue (99%)



- Cyan (88%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)



- Cyan (88%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4160, 0.2105, 0.2714 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 52.4160, 0.2105, 0.2714 by changing the saturation by 10% instead.

52.4160, 0.2105,
0.2714

52.4160, 0.2105,
0.2714

396.0405, 0.2580,
0.3006

37.3368, 0.1998,
0.2642

93.7445, 0.2269,
0.2820

25.4683, 0.1868,
0.2551

120.7625, 0.2333,
0.2859

16.4263, 0.1706,
0.2433

152.5289, 0.2388,
0.2893

9.8263, 0.1501,
0.2275

189.4281, 0.2437,
0.2922

5.2840, 0.1238,
0.2054

231.8444, 0.2479,
0.2947

2.4148, 0.0900,
0.1734

280.1624, 0.2517,

0.8335, 0.0229,

0.2969

0.1294

334.7663, 0.2550,
0.2989

■ 0.0000, 0.0000,
0.0000

■ 52.4160, 0.2105,
0.2714

■ 52.4160, 0.2105,
0.2714

■ 49.7815, 0.2069,
0.2642

■ 55.4262, 0.2159,
0.2787

■ 49.3295, 0.2064,
0.2629

■ 58.8742, 0.2232,
0.2860

■ 62.8113, 0.2325,
0.2932

■ 67.2792, 0.2436,
0.3003

■ 72.3148, 0.2562,
0.3070

■ 77.9513, 0.2700,
0.3134

■ 84.2190, 0.2847,
0.3194

■ 91.1460, 0.3000,
0.3249

■ 98.4679, 0.3146,
0.3299

Harmonies

Analogous

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



52.4160, 0.2227, 0.3192



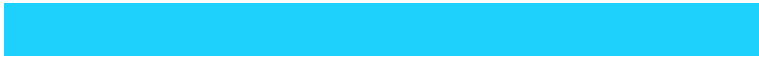
52.4160, 0.2105, 0.2714



52.4160, 0.2219, 0.2448

Triad

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



52.4160, 0.2105, 0.2714



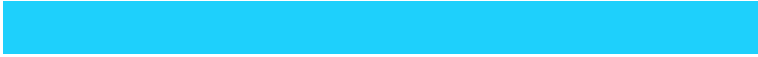
52.4160, 0.3654, 0.2857



52.4160, 0.3651, 0.4322

Complementary

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



52.4160, 0.2105, 0.2714



25.6455, 0.5916, 0.3545

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.



52.4160, 0.4086, 0.4104



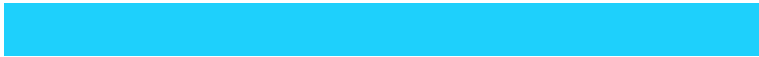
52.4160, 0.2105, 0.2714



52.4160, 0.4109, 0.3267

Square

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



52.4160, 0.2105, 0.2714



52.4160, 0.3073, 0.2550



52.4160, 0.4266, 0.3710



52.4160, 0.3098, 0.4217

Rectangle

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



52.4160, 0.2105, 0.2714



52.4160, 0.2421, 0.2393



52.4160, 0.4266, 0.3710



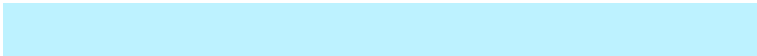
52.4160, 0.3816, 0.4279

Sweetspot

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



52.4178, 0.2105, 0.2714



81.4340, 0.2732, 0.3148



70.3356, 0.2932, 0.5658



16.9748, 0.2682, 0.3126



0.0000, 0.0000, 0.0000



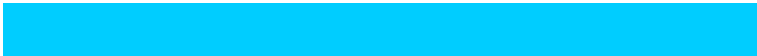
21.4041, 0.3127, 0.3290

Same Dimension

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



52.4178, 0.2105, 0.2714



50.6642, 0.2064, 0.2629



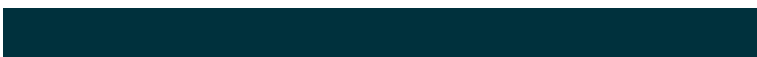
16.4364, 0.1702, 0.1234



18.9907, 0.2980, 0.3242



25.9109, 0.2067, 0.2641



2.5433, 0.2091, 0.2728

Inverse Universe

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



26.1637, 0.3710, 0.1867



25.6457, 0.3796, 0.1865



54.0825, 0.4762, 0.4516



17.4622, 0.3168, 0.3102



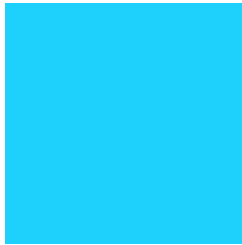
13.0266, 0.3784, 0.1858



1.2210, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 52.4160, 0.2105, 0.2714 looks on a white background.

Color Contrast Check

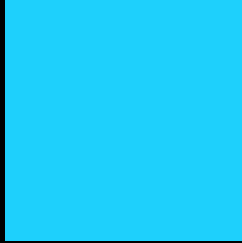
Large Text (above 18pt) WCAG AA × Fail

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 52.4160, 0.2105, 0.2714 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 52.4160, 0.2105, 0.2714

Background



This preview shows how black text looks on a background with the Yxy color 52.4160, 0.2105, 0.2714.



This preview shows how white text looks on a background with the Yxy color 52.4160, 0.2105, 0.2714.

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

52.4160, 0.2105, 0.2714

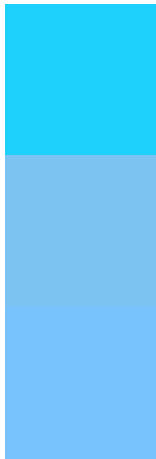
Protanopia

51.5458, 0.2710, 0.2705

Deuteranopia

51.5313, 0.2563, 0.2500

Trichromacy



Original Color

52.4160, 0.2105, 0.2714

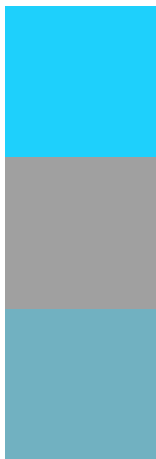
Protanomaly

49.7261, 0.2372, 0.2690

Deuteranomaly

50.1790, 0.2299, 0.2555

Monochromacy



Original Color

52.4160, 0.2105, 0.2714

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

38.8052, 0.2528, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4160, 0.2105, 0.2714 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(30, 208, 252)` looks like.

```
.text, #text, p{  
    color:rgb(30, 208, 252)  
}
```

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(30, 208, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 208, 252) }
```

Border

The CSS property to change the border of an element to Yxy 52.4160, 0.2105, 0.2714 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(30, 208, 252) }
```

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

```
.border{ border-color:rgb(30, 208, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 208, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 208, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 208, 252);  
box-shadow:4px 4px 4px 4px rgb(30, 208,  
252) }
```

Background

The CSS property to change the background color of an element to Yxy 52.4160, 0.2105, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 208, 252) }
```

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

```
.background{ background-color: rgb(30, 208,  
252) }
```

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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