

Converting Colors

$Yxy(45.6938, 0.2040, 0.2498)$

Have a look what the booklet for
Yxy(45.6938, 0.2040, 0.2498)
contains.

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Color

Yxy(45.8576, 0.2042, 0.2505)

Conversions

Conversions Part 1

Format	Color
Hex	17C2FD
RGB	23, 194, 253
RGB Percent	9%, 76%, 99%
CMY	0.9086, 0.2392, 0.0078
CMYK	0.91, 0.23, 0.00, 0.01
HSL	195°, 98%, 54%
HSV	195°, 91%, 99%
XYZ	37.3817, 45.8576, 99.8249
YIQ	149.5970, -120.8550, -17.9030

Conversions

Conversions Part 2

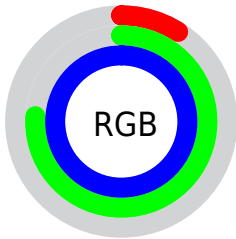
Format	Color
R _Y B	23, 121, 253
Decimal	1557245
CIE Lab	73.45, -19.24, -40.06
CIE LCh	73, 44.444, 244.348
Yxy	45.8576, 0.2042, 0.2505
Android (android.graphics.Color)	4279747325 (0xFF17C2FD)
YUV	149.5970, 50.9777, -111.0256
Hunter-Lab	67.7182, -19.9716, -39.9979

Details

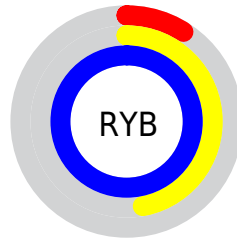
The Yxy color **45.8576, 0.2042, 0.2505** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.0351, 0.5869, 0.3629**, and the grayscale version is **30.1789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9963, 0.2427, 0.3242**, and **22.7417, 0.1980, 0.2328** is the 20% darker color. If you saturate the color by 10%, you get **43.0605, 0.2005, 0.2417**, and if you desaturate by 10%, it is **49.2743, 0.2099, 0.2602**.

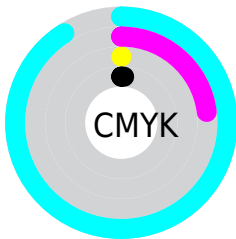
Distribution



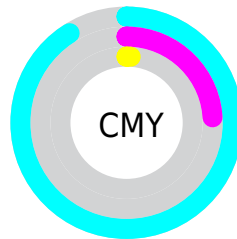
- Red (9%)
- Green (76%)
- Blue (99%)



- Red (9%)
- Yellow (47%)
- Blue (99%)



- Cyan (91%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)



- Cyan (91%)
- Magenta (24%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8576, 0.2042, 0.2505 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 45.8576, 0.2042, 0.2505 by changing the saturation by 10% instead.

45.8576, 0.2042,
0.2505

45.8576, 0.2042,
0.2505

370.2359, 0.2554,
0.2898

32.1335, 0.1926,
0.2410

84.0058, 0.2220,
0.2646

21.4635, 0.1783,
0.2290

109.1987, 0.2289,
0.2700

13.4632, 0.1606,
0.2136

138.9834, 0.2349,
0.2746

7.7483, 0.1383,
0.1933

173.7441, 0.2401,
0.2785

3.9343, 0.1099,
0.1658

213.8653, 0.2446,
0.2819

1.6369, 0.0743,
0.1280

259.7314, 0.2486,

0.3823, 0.0000,

0.2849

0.0658

311.7268, 0.2522,
0.2875

■ 0.0000, 0.0000,
0.0000

■ 45.8576, 0.2042,
0.2505

■ 45.8576, 0.2042,
0.2505

■ 43.0605, 0.2005,
0.2417

■ 49.2743, 0.2099,
0.2602

■ 53.1692, 0.2176,
0.2699

■ 57.5972, 0.2273,
0.2796

■ 62.6030, 0.2387,
0.2890

■ 68.2257, 0.2517,
0.2980

■ 74.5006, 0.2658,
0.3066

■ 81.4598, 0.2806,
0.3145

■ 89.1329, 0.2960,
0.3219

■ 97.5478, 0.3115,
0.3285

Harmonies

Analogous

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



45.8576, 0.2062, 0.2928



45.8576, 0.2042, 0.2505



45.8576, 0.2270, 0.2326

Triad

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



45.8576, 0.2042, 0.2505



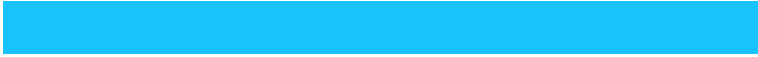
45.8576, 0.3948, 0.2997



45.8576, 0.3439, 0.4427

Complementary

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



45.8576, 0.2042, 0.2505



27.0351, 0.5869, 0.3629

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.



45.8576, 0.3991, 0.4311



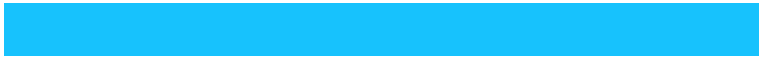
45.8576, 0.2042, 0.2505



45.8576, 0.4323, 0.3463

Square

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



45.8576, 0.2042, 0.2505



45.8576, 0.3340, 0.2612



45.8576, 0.4328, 0.3935



45.8576, 0.2833, 0.4143

Rectangle

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



45.8576, 0.2042, 0.2505



45.8576, 0.2550, 0.2334



45.8576, 0.4328, 0.3935



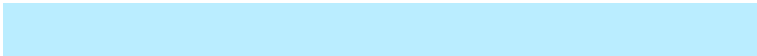
45.8576, 0.3637, 0.4429

Sweetspot

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



45.8592, 0.2042, 0.2505



78.4248, 0.2713, 0.3097



71.0388, 0.2899, 0.5572



16.2835, 0.2663, 0.3069



0.0000, 0.0000, 0.0000



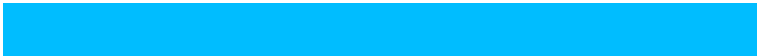
21.4041, 0.3127, 0.3290

Same Dimension

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



45.8592, 0.2042, 0.2505



43.8195, 0.2005, 0.2417



13.1250, 0.1635, 0.1021



19.6447, 0.2980, 0.3227



23.1500, 0.2009, 0.2433



2.4299, 0.2040, 0.2542

Inverse Universe

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



25.4062, 0.3912, 0.1966



24.9547, 0.4006, 0.1980



60.2456, 0.4646, 0.4640



18.2159, 0.3178, 0.3115



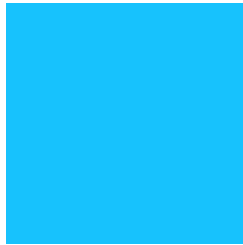
13.0650, 0.3990, 0.1972



1.2898, 0.3881, 0.1911

Previews

White Background



This preview shows how the Yxy color 45.8576, 0.2042, 0.2505 looks on a white background.

Color Contrast Check

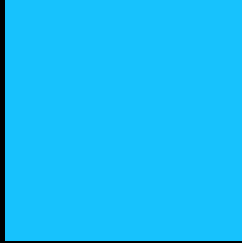
Large Text (above 18pt) WCAG AA × Fail

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 45.8576, 0.2042, 0.2505 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

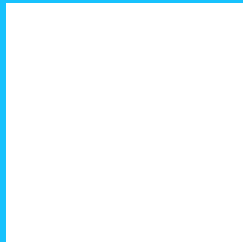
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8576, 0.2042, 0.2505

Background



This preview shows how black text looks on a background with the Yxy color 45.8576, 0.2042, 0.2505.



This preview shows how white text looks on a background with the Yxy color 45.8576, 0.2042, 0.2505.

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

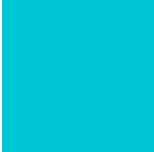
45.8576, 0.2042, 0.2505

Protanopia

45.3126, 0.2561, 0.2514

Deuteranopia

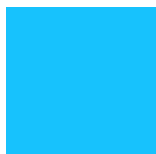
45.1483, 0.2409, 0.2347



Tritanopia

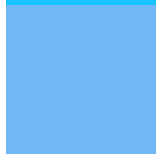
45.7019, 0.2186, 0.3068

Trichromacy



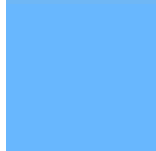
Original Color

45.8576, 0.2042, 0.2505



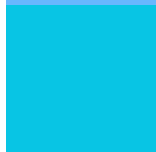
Protanomaly

43.8391, 0.2264, 0.2483



Deuteranomaly

43.9658, 0.2195, 0.2382



Tritanomaly

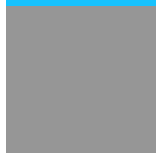
45.5856, 0.2129, 0.2848

Monochromacy



Original Color

45.8576, 0.2042, 0.2505



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.8033, 0.2480, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8576, 0.2042, 0.2505 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, 194, 253)` looks like.

```
.text, #text, p{  
    color:rgb(23, 194, 253)  
}
```

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, 194, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 194, 253) }
```

Border

The CSS property to change the border of an element to Yxy 45.8576, 0.2042, 0.2505 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, 194, 253) }
```

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

```
.border{ border-color:rgb(23, 194, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 194, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 194, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 194, 253);  
box-shadow:4px 4px 4px 4px rgb(23, 194,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8576, 0.2042, 0.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 194, 253) }
```

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

```
.background{ background-color: rgb(23, 194,  
253) }
```

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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