

Converting Colors

$Y_{xy}(45.8495, 0.2095, 0.2656)$

Have a look what the booklet for
Yxy(45.8495, 0.2095, 0.2656)
contains.

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Color

Yxy(45.7644, 0.2092, 0.2647)

Conversions

Conversions Part 1

Format	Color
Hex	21C3F2
RGB	33, 195, 242
RGB Percent	13%, 76%, 95%
CMY	0.8712, 0.2353, 0.0508
CMYK	0.86, 0.19, 0.00, 0.05
HSL	193°, 89%, 54%
HSV	193°, 86%, 95%
XYZ	36.1689, 45.7644, 90.9583
YIQ	151.9200, -111.6390, -19.7270

Conversions

Conversions Part 2

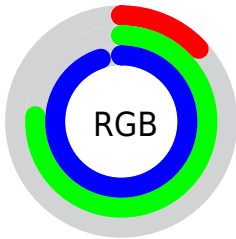
Format	Color
R _{YB}	33, 124, 242
Decimal	2212850
CIE _{Lab}	73.39, -22.98, -34.24
CIE _{LCh}	73, 41.235, 236.125
Y _{xy}	45.7644, 0.2092, 0.2647
Android (android.graphics.Color)	4280402930 (0xFF21C3F2)
YUV	151.9200, 44.4094, -104.2928
Hunter-Lab	67.6494, -22.9510, -32.3640

Details

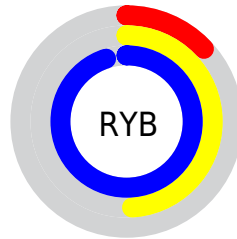
The Yxy color **45.7644, 0.2092, 0.2647** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **24.7101, 0.5798, 0.3604**, and the grayscale version is **31.1849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7627, 0.2436, 0.3253**, and **22.5949, 0.2024, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **43.1068, 0.2050, 0.2564**, and if you desaturate by 10%, it is **48.7995, 0.2153, 0.2731**.

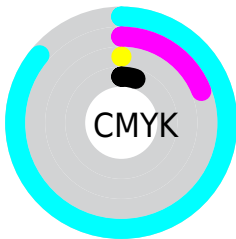
Distribution



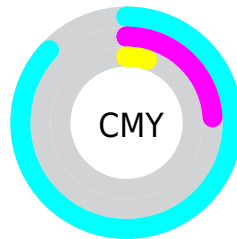
- Red (13%)
- Green (76%)
- Blue (95%)



- Red (13%)
- Yellow (49%)
- Blue (95%)



- Cyan (86%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)



- Cyan (87%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7644, 0.2092, 0.2647 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 45.7644, 0.2092, 0.2647 by changing the saturation by 10% instead.

 45.7644, 0.2092,
0.2647


 45.7644, 0.2092,
0.2647


369.8606, 0.2584,
0.2976

 32.0599, 0.1979,
0.2565


 83.8663, 0.2264,
0.2767


 21.4073, 0.1840,
0.2460


 109.0325, 0.2330,
0.2812


 13.4220, 0.1666,
0.2324


 138.7881, 0.2388,
0.2850

 7.7198, 0.1443,
0.2139

 173.5175, 0.2437,
0.2883

 3.9162, 0.1155,
0.1880

 213.6050, 0.2481,
0.2911

 1.6268, 0.0785,
0.1505

259.4352, 0.2519,

 0.3756, 0.0000,

0.2935

0.0818

311.3922, 0.2553,
0.2957

■ 0.0000, 0.0000,
0.0000

■ 45.7644, 0.2092,
0.2647

■ 45.7644, 0.2092,
0.2647

■ 43.1068, 0.2050,
0.2564

■ 48.7995, 0.2153,
0.2731

■ 42.2185, 0.2038,
0.2535

■ 52.2614, 0.2234,
0.2815

■ 56.1953, 0.2335,
0.2897

■ 60.6383, 0.2452,
0.2977

■ 65.6233, 0.2583,
0.3054

■ 71.1803, 0.2725,
0.3126

■ 77.3366, 0.2874,
0.3192

■ 84.1177, 0.3028,
0.3254

■ 91.5473, 0.3182,
0.3309

Harmonies

Analogous

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



45.7644, 0.2178, 0.3103



45.7644, 0.2092, 0.2647



45.7644, 0.2244, 0.2413

Triad

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



45.7644, 0.2092, 0.2647



45.7644, 0.3749, 0.2909



45.7644, 0.3576, 0.4348

Complementary

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



45.7644, 0.2092, 0.2647



24.7101, 0.5798, 0.3604

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.



45.7644, 0.4047, 0.4166



45.7644, 0.2092, 0.2647



45.7644, 0.4173, 0.3334

Square

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



45.7644, 0.2092, 0.2647



45.7644, 0.3163, 0.2578



45.7644, 0.4278, 0.3783



45.7644, 0.3009, 0.4185

Rectangle

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



45.7644, 0.2092, 0.2647



45.7644, 0.2471, 0.2381



45.7644, 0.4278, 0.3783



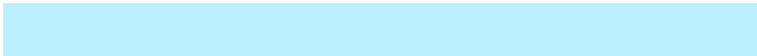
45.7644, 0.3751, 0.4320

Sweetspot

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



45.7660, 0.2092, 0.2647



80.3766, 0.2730, 0.3128



64.3982, 0.2910, 0.5549



16.7209, 0.2680, 0.3104



0.0000, 0.0000, 0.0000



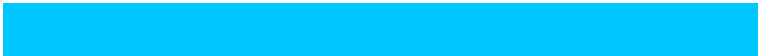
21.4041, 0.3127, 0.3290

Same Dimension

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



45.7660, 0.2092, 0.2647



47.4590, 0.2037, 0.2533



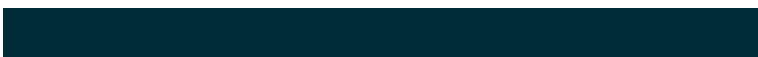
14.4068, 0.1699, 0.1194



17.2910, 0.2981, 0.3236



22.8867, 0.2041, 0.2549



2.0500, 0.2072, 0.2658

Inverse Universe

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



23.9025, 0.3771, 0.1917



25.3222, 0.3890, 0.1917



52.7613, 0.4664, 0.4575



15.9670, 0.3172, 0.3109



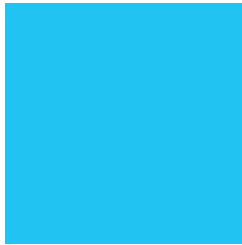
12.1038, 0.3874, 0.1908



1.0217, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 45.7644, 0.2092, 0.2647 looks on a white background.

Color Contrast Check

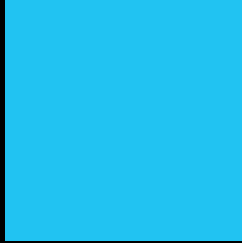
Large Text (above 18pt) WCAG AA × Fail

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 45.7644, 0.2092, 0.2647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

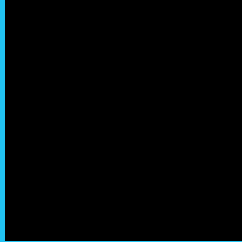
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7644, 0.2092, 0.2647

Background



This preview shows how black text looks on a background with the Yxy color 45.7644, 0.2092, 0.2647.



This preview shows how white text looks on a background with the Yxy color 45.7644, 0.2092, 0.2647.

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

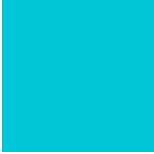
45.7644, 0.2092, 0.2647

Protanopia

45.2084, 0.2662, 0.2640

Deuteranopia

45.2662, 0.2500, 0.2447



Tritanopia

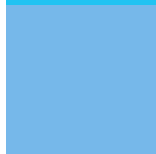
45.7531, 0.2182, 0.3053

Trichromacy



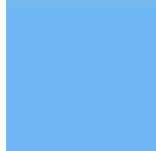
Original Color

45.7644, 0.2092, 0.2647



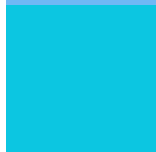
Protanomaly

44.0730, 0.2352, 0.2626



Deuteranomaly

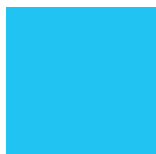
44.3183, 0.2271, 0.2498



Tritanomaly

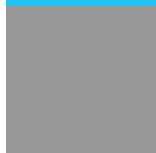
45.9026, 0.2146, 0.2903

Monochromacy



Original Color

45.7644, 0.2092, 0.2647



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.7593, 0.2530, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7644, 0.2092, 0.2647 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(33, 195, 242)` looks like.

```
.text, #text, p{  
    color:rgb(33, 195, 242)  
}
```

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(33, 195, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 195, 242) }
```

Border

The CSS property to change the border of an element to Yxy 45.7644, 0.2092, 0.2647 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(33, 195, 242) }
```

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

```
.border{ border-color:rgb(33, 195, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 195, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 195, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 195, 242);  
box-shadow:4px 4px 4px 4px rgb(33, 195,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7644, 0.2092, 0.2647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 195, 242) }
```

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

```
.background{ background-color: rgb(33, 195,  
242) }
```

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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