

# Converting Colors

$Yxy(43.1918, 0.2083, 0.2645)$

Have a look what the booklet for  
Yxy(43.1918, 0.2083, 0.2645)  
contains.

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# Color

**Yxy(43.0772, 0.2083, 0.2645)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 18BEEC                        |
| RGB         | 24, 190, 236                  |
| RGB Percent | 9%, 75%, 93%                  |
| CMY         | 0.9064, 0.2549, 0.0746        |
| CMYK        | 0.90, 0.19, 0.00, 0.07        |
| HSL         | 193°, 85%, 51%                |
| HSV         | 193°, 90%, 93%                |
| XYZ         | 33.9243, 43.0772, 85.8612     |
| YIQ         | 145.6100, -113.7020, -20.8860 |

# Conversions

## Conversions Part 2

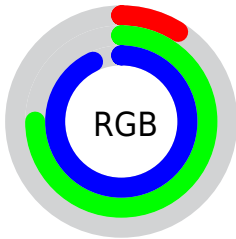
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| R <sub>Y</sub> B                    | 24, 117, 236                    |
| Decimal                             | 1621740                         |
| CIE Lab                             | 71.61, -22.95, -33.73           |
| CIE LCh                             | 72, 40.793, 235.772             |
| Yxy                                 | 43.0772, 0.2083,<br>0.2645      |
| Android<br>(android.graphics.Color) | 4279811820<br>(0xFF18BEEC)      |
| YUV                                 | 145.6100, 44.5623,<br>-106.6520 |
| Hunter-Lab                          | 65.6332, -22.5956,<br>-31.6198  |

# Details

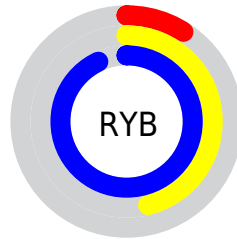
The Yxy color **43.0772, 0.2083, 0.2645** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **22.2538, 0.5919, 0.3567**, and the grayscale version is **28.4119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7089, 0.2404, 0.3183**, and **20.9036, 0.2023, 0.2481** is the 20% darker color. If you saturate the color by 10%, you get **40.7112, 0.2046, 0.2566**, and if you desaturate by 10%, it is **45.7561, 0.2137, 0.2725**.

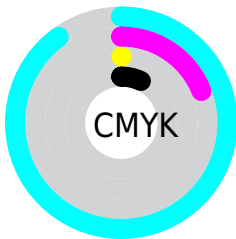
# Distribution



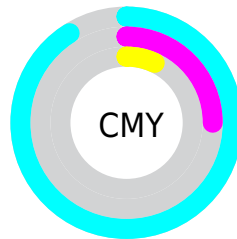
- Red (9%)
- Green (75%)
- Blue (93%)



- Red (9%)
- Yellow (46%)
- Blue (93%)



- Cyan (90%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)




- Cyan (91%)
- Magenta (25%)
- Yellow (7%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0772, 0.2083, 0.2645 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 43.0772, 0.2083, 0.2645 by changing the saturation by 10% instead.




 43.0772, 0.2083,  
0.2645


 43.0772, 0.2083,  
0.2645


 358.9292, 0.2584,  
0.2979


 29.9457, 0.1967,  
0.2561


 79.8273, 0.2259,  
0.2767

 19.7974, 0.1823,  
0.2453


 104.2148, 0.2327,  
0.2813

 12.2478, 0.1642,  
0.2311


 133.1230, 0.2385,  
0.2852

 6.9127, 0.1410,  
0.2117

 166.9363, 0.2436,  
0.2885

 3.4076, 0.1108,  
0.1843

 206.0392, 0.2480,  
0.2913

 1.3480, 0.0709,  
0.1445

 250.8160, 0.2519,

 0.1779, 0.0000,

0.2938

0.0473

301.6512, 0.2553,  
0.2959

0.0000, 0.0000,  
0.0000

43.0772, 0.2083,  
0.2645

43.0772, 0.2083,  
0.2645

40.7112, 0.2046,  
0.2566

45.7561, 0.2137,  
0.2725

40.6838, 0.2046,  
0.2565

48.8156, 0.2210,  
0.2806

52.3007, 0.2302,  
0.2885

56.2479, 0.2413,  
0.2963

60.6893, 0.2539,  
0.3038

■ 65.6539, 0.2676,  
0.3109

■ 71.1679, 0.2823,  
0.3175

■ 77.2559, 0.2975,  
0.3235

■ 83.9406, 0.3129,  
0.3291

# Harmonies

## Analogous

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



43.0772, 0.2172, 0.3107



43.0772, 0.2083, 0.2645



43.0772, 0.2233, 0.2407

# Triad

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



43.0772, 0.2083, 0.2645



43.0772, 0.3748, 0.2901



43.0772, 0.3585, 0.4358

# Complementary

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



43.0772, 0.2083, 0.2645



22.2538, 0.5919, 0.3567

# 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.



43.0772, 0.4059, 0.4170



43.0772, 0.2083, 0.2645



43.0772, 0.4180, 0.3329

# Square

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



43.0772, 0.2083, 0.2645



43.0772, 0.3156, 0.2569



43.0772, 0.4290, 0.3781



43.0772, 0.3014, 0.4198



# Rectangle

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



43.0772, 0.2083, 0.2645



43.0772, 0.2460, 0.2373



43.0772, 0.4290, 0.3781



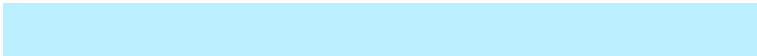
43.0772, 0.3762, 0.4328

# Sweetspot

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



43.0787, 0.2083, 0.2645



80.0452, 0.2716, 0.3127



60.6074, 0.2916, 0.5618



16.6697, 0.2667, 0.3104



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

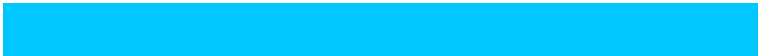


# Same Dimension

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



43.0787, 0.2083, 0.2645



48.4086, 0.2045, 0.2562



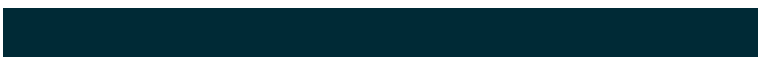
12.5835, 0.1667, 0.1123



16.5357, 0.2981, 0.3238



22.6295, 0.2050, 0.2578



1.9142, 0.2080, 0.2688



# Inverse Universe

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



22.1945, 0.3776, 0.1896



25.4180, 0.3861, 0.1901



48.8966, 0.4705, 0.4579



15.2546, 0.3171, 0.3107



11.7773, 0.3846, 0.1892

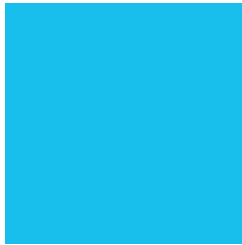


0.9387, 0.3740, 0.1834



# Previews

## White Background



This preview shows how the Yxy color 43.0772, 0.2083, 0.2645 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

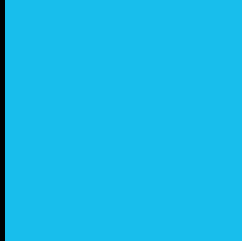
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.0772, 0.2083, 0.2645 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 43.0772, 0.2083, 0.2645**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.0772, 0.2083, 0.2645.

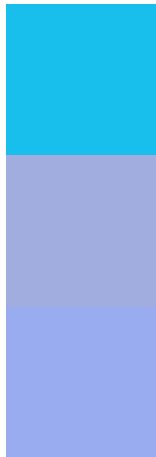


This preview shows how white text looks on a background with the Yxy color 43.0772, 0.2083, 0.2645.

# 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

43.0772, 0.2083, 0.2645

### Protanopia

42.4098, 0.2658, 0.2635

### Deuteranopia

42.5686, 0.2499, 0.2439



## Tritanopia

43.1870, 0.2184, 0.3062

# Trichromacy



**Original Color**

43.0772, 0.2083, 0.2645

**Protanomaly**

41.2211, 0.2331, 0.2620

**Deuteranomaly**

41.5364, 0.2256, 0.2489

**Tritanomaly**

43.3125, 0.2146, 0.2907

# Monochromacy



**Original Color**

43.0772, 0.2083, 0.2645

**Achromatopsia**

28.7441, 0.3127, 0.3290

**Achromatomaly**

31.9201, 0.2507, 0.3015

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.0772, 0.2083, 0.2645 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(24, 190, 236)` looks like.

```
.text, #text, p{  
    color:rgb(24, 190, 236)  
}
```

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(24, 190, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 190, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 43.0772, 0.2083, 0.2645 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(24, 190, 236) }
```

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

```
.border{ border-color:rgb(24, 190, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 190, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 190, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 190, 236);  
box-shadow:4px 4px 4px 4px rgb(24, 190,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.0772, 0.2083, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 190, 236) }
```

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

```
.background{ background-color: rgb(24, 190,  
236) }
```

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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