

Converting Colors

$Y_{xy}(58.3758, 0.2230, 0.3154)$

Have a look what the booklet for
Yxy(58.3758, 0.2230, 0.3154)
contains.

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Color

Yxy(58.3758, 0.2230, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	20DEE8
RGB	32, 222, 232
RGB Percent	13%, 87%, 91%
CMY	0.8758, 0.1294, 0.0902
CMYK	0.86, 0.04, 0.00, 0.09
HSL	183°, 81%, 52%
HSV	183°, 86%, 91%
XYZ	41.2739, 58.3758, 85.4352
YIQ	166.3300, -116.4500, -37.1700

Conversions

Conversions Part 2

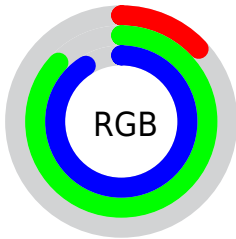
Format	Color
RYB	32, 129, 232
Decimal	2154216
CIELab	80.95, -39.25, -17.32
CIElCh	81, 42.897, 203.811
Yxy	58.3758, 0.2230, 0.3154
Android (android.graphics.Color)	4280344296 (0xFF20DEE8)
YUV	166.3300, 32.3753, -117.8074
Hunter-Lab	76.4041, -37.2803, -12.8154

Details

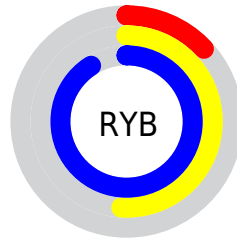
The Yxy color **58.3758, 0.2230, 0.3154** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.8894, 0.6089, 0.3348**, and the grayscale version is **38.1362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **30.4070, 0.2198, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **57.5186, 0.2209, 0.3138**, and if you desaturate by 10%, it is **59.5011, 0.2268, 0.3171**.

Distribution



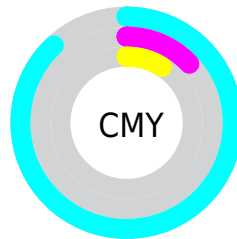
- Red (13%)
- Green (87%)
- Blue (91%)



- Red (13%)
- Yellow (51%)
- Blue (91%)



- Cyan (86%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (88%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3758, 0.2230, 0.3154 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 58.3758, 0.2230, 0.3154 by changing the saturation by 10% instead.


 58.3758, 0.2230,
0.3154

 58.3758, 0.2230,
0.3154


418.5848, 0.2646,
0.3234

 42.1108, 0.2136,
0.3131


 102.4699, 0.2374,
0.3185

 29.1881, 0.2020,
0.3101


 131.0679, 0.2430,
0.3196

 19.2232, 0.1875,
0.3059


 164.5456, 0.2479,
0.3206

 11.8316, 0.1689,
0.2997

 203.2875, 0.2521,
0.3213

 6.6291, 0.1445,
0.2902

 247.6780, 0.2558,
0.3220

 3.2313, 0.1115,
0.2742

298.1014, 0.2591,

 1.2536, 0.0389,

0.3225

354.9422, 0.2620,
0.3230

0.2518

0.1049, 0.0000,
0.0710

0.0000, 0.0000,
0.0000

58.3758, 0.2230,
0.3154

58.3758, 0.2230,
0.3154

57.5186, 0.2209,
0.3138

59.5011, 0.2268,
0.3171

57.2417, 0.2203,
0.3132

60.9358, 0.2326,
0.3188

62.7202, 0.2402,
0.3205

64.8872, 0.2498,
0.3221

67.4654, 0.2611,
0.3238

70.4811, 0.2739,
0.3253

73.9582, 0.2879,
0.3268

77.9187, 0.3029,
0.3282

82.3836, 0.3185,
0.3294

Harmonies

Analogous

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



58.3758, 0.2559, 0.3719



58.3758, 0.2230, 0.3154



58.3758, 0.2128, 0.2700

Triad

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



58.3758, 0.2230, 0.3154



58.3758, 0.3119, 0.2584



58.3758, 0.4039, 0.4111

Complementary

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



58.3758, 0.2230, 0.3154



18.8894, 0.6089, 0.3348

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.



58.3758, 0.4236, 0.3736



58.3758, 0.2230, 0.3154



58.3758, 0.3683, 0.2895

Square

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



58.3758, 0.2230, 0.3154



58.3758, 0.2604, 0.2425



58.3758, 0.4108, 0.3302



58.3758, 0.3601, 0.4301

Rectangle

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



58.3758, 0.2230, 0.3154



58.3758, 0.2189, 0.2513



58.3758, 0.4108, 0.3302



58.3758, 0.4137, 0.3999

Sweetspot

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



58.3779, 0.2230, 0.3154



87.4300, 0.2742, 0.3254



58.1571, 0.2996, 0.5847



18.4206, 0.2696, 0.3248



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.



58.3779, 0.2230, 0.3154



70.8966, 0.2203, 0.3131



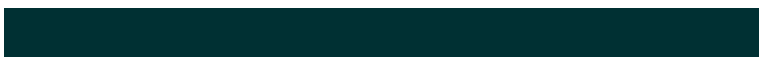
20.8340, 0.1837, 0.1700



16.2067, 0.2982, 0.3278



31.8351, 0.2204, 0.3134



2.3906, 0.2211, 0.3158

Inverse Universe

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



23.4454, 0.3318, 0.1656



27.6882, 0.3341, 0.1614



35.5817, 0.5069, 0.4224



14.6022, 0.3146, 0.3070



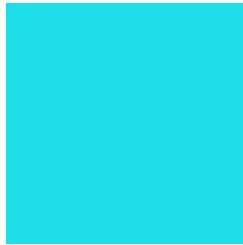
12.4115, 0.3338, 0.1612



0.9210, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 58.3758, 0.2230, 0.3154 looks on a white background.

Color Contrast Check

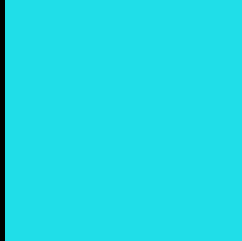
Large Text (above 18pt) WCAG AA × Fail

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 58.3758, 0.2230, 0.3154 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 58.3758, 0.2230, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 58.3758, 0.2230, 0.3154.

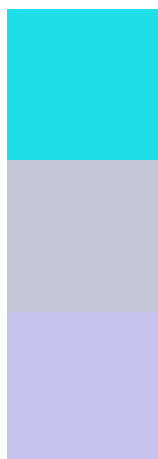


This preview shows how white text looks on a background with the Yxy color 58.3758, 0.2230, 0.3154.

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

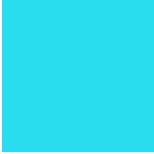
58.3758, 0.2230, 0.3154

Protanopia

57.4037, 0.2992, 0.3067

Deuteranopia

57.4826, 0.2865, 0.2802



Tritanopia

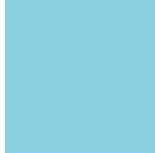
58.4163, 0.2212, 0.3051

Trichromacy



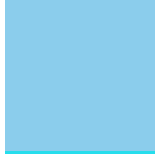
Original Color

58.3758, 0.2230, 0.3154



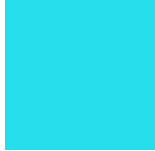
Protanomaly

55.3028, 0.2574, 0.3096



Deuteranomaly

55.2077, 0.2502, 0.2901



Tritanomaly

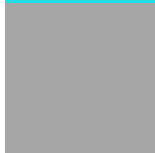
58.1811, 0.2219, 0.3089

Monochromacy



Original Color

58.3758, 0.2230, 0.3154



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

42.6174, 0.2591, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3758, 0.2230, 0.3154 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(32, 222, 232)` looks like.

```
.text, #text, p{  
    color:rgb(32, 222, 232)  
}
```

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(32, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 222, 232) }
```

Border

The CSS property to change the border of an element to Yxy 58.3758, 0.2230, 0.3154 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(32, 222, 232) }
```

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

```
.border{ border-color:rgb(32, 222, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 222, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(32, 222,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3758, 0.2230, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 222, 232) }
```

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

```
.background{ background-color: rgb(32, 222,  
232) }
```

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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