

Converting Colors

$Y_{xy}(65.3252, 0.2546, 0.3288)$

Have a look what the booklet for
Yxy(65.3252, 0.2546, 0.3288)
contains.

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Color

Yxy(65.2300, 0.2548, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	82E3E3
RGB	130, 227, 227
RGB Percent	51%, 89%, 89%
CMY	0.4899, 0.1098, 0.1097
CMYK	0.43, 0.00, 0.00, 0.11
HSL	180°, 63%, 70%
HSV	180°, 43%, 89%
XYZ	50.5493, 65.2300, 82.6088
YIQ	197.9970, -57.8120, -20.5640

Conversions

Conversions Part 2

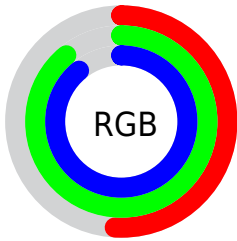
Format	Color
RYB	130, 179, 227
Decimal	8578019
CIELab	84.60, -28.53, -8.96
CIELCh	85, 29.904, 197.434
Yxy	65.2300, 0.2548, 0.3288
Android (android.graphics.Color)	4286768099 (0xFF82E3E3)
YUV	197.9970, 14.2985, -59.6334
Hunter-Lab	80.7651, -29.6193, -4.1079

Details

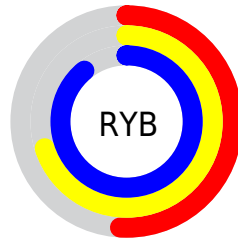
The Yxy color **65.2300, 0.2548, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.9372, 0.4242, 0.3294**, and the grayscale version is **56.4194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **33.4440, 0.2407, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **63.6270, 0.2451, 0.3288**, and if you desaturate by 10%, it is **67.2341, 0.2662, 0.3288**.

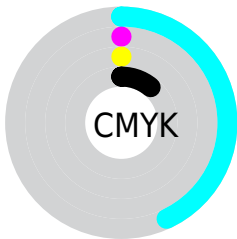
Distribution



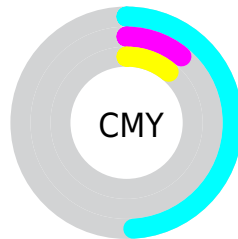
- Red (51%)
- Green (89%)
- Blue (89%)



- Red (51%)
- Yellow (70%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (49%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2300, 0.2548, 0.3288 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 65.2300, 0.2548, 0.3288 by changing the saturation by 10% instead.

 65.2300, 0.2548,
0.3288

 65.2300, 0.2548,
0.3288


443.6180, 0.2816,
0.3295

 47.6476, 0.2487,
0.3285


 112.3805, 0.2641,
0.3291

 33.5479, 0.2411,
0.3281


 142.7173, 0.2677,
0.3293

 22.5465, 0.2316,
0.3274


 178.0744, 0.2709,
0.3293

 14.2590, 0.2192,
0.3262

218.8362, 0.2736,
0.3294

 8.3010, 0.2024,
0.3242

265.3871, 0.2760,
0.3294

 4.2882, 0.1786,
0.3205

318.1114, 0.2781,

 1.8360, 0.1429,

0.3294

377.3936, 0.2800,
0.3295

0.3124

0.5095, 0.0000,
0.2984

0.0000, 0.0000,
0.0000

65.2300, 0.2548,
0.3288

65.2300, 0.2548,
0.3288

63.6270, 0.2451,
0.3288

67.2341, 0.2662,
0.3288

62.3913, 0.2374,
0.3287

69.6556, 0.2792,
0.3289


61.4957, 0.2315,
0.3287


72.5192, 0.2934,
0.3289

60.9064, 0.2276,
0.3287


75.8452, 0.3085,
0.3290


 60.5822, 0.2254,
0.3287

 79.6529, 0.3243,
0.3290

 60.4650, 0.2246,
0.3287

 81.7578, 0.3324,
0.3291

 81.7606, 0.3324,
0.3291

 81.7633, 0.3324,
0.3291

 81.7661, 0.3324,
0.3291

Harmonies

Analogous

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



65.2300, 0.2812, 0.3647



65.2300, 0.2548, 0.3288



65.2300, 0.2435, 0.2957

Triad

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



65.2300, 0.2548, 0.3288



65.2300, 0.3047, 0.2763



65.2300, 0.3793, 0.3816

Complementary

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



65.2300, 0.2548, 0.3288



33.9372, 0.4242, 0.3294

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.



65.2300, 0.3872, 0.3553



65.2300, 0.2548, 0.3288



65.2300, 0.3427, 0.2966

Square

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



65.2300, 0.2548, 0.3288



65.2300, 0.2709, 0.2681



65.2300, 0.3737, 0.3247



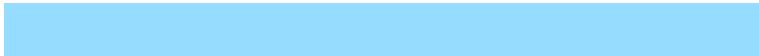
65.2300, 0.3532, 0.3956

Rectangle

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



65.2300, 0.2548, 0.3288



65.2300, 0.2454, 0.2799



65.2300, 0.3737, 0.3247



65.2300, 0.3843, 0.3738

Sweetspot

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



65.2326, 0.2548, 0.3288



94.2412, 0.2928, 0.3289



61.3113, 0.3065, 0.4614



19.9844, 0.2896, 0.3289



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.



65.2326, 0.2548, 0.3288



83.0776, 0.2464, 0.3288



42.3559, 0.2440, 0.2643



16.3358, 0.2982, 0.3290



35.2586, 0.2246, 0.3287



2.6057, 0.2246, 0.3287

Inverse Universe

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



37.8634, 0.3176, 0.2246



43.1327, 0.3185, 0.2062



50.0044, 0.3986, 0.3852



14.6152, 0.3138, 0.3059



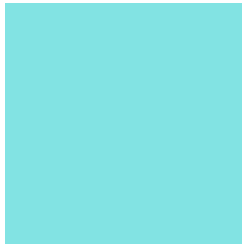
12.7571, 0.3210, 0.1542



0.9427, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 65.2300, 0.2548, 0.3288 looks on a white background.

Color Contrast Check

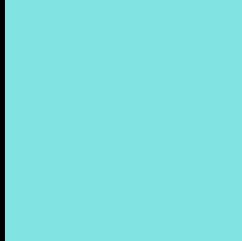
Large Text (above 18pt) WCAG AA × Fail

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 65.2300, 0.2548, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

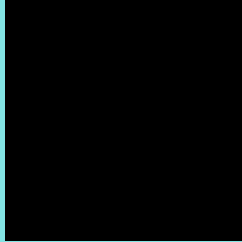
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2300, 0.2548, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 65.2300, 0.2548, 0.3288.

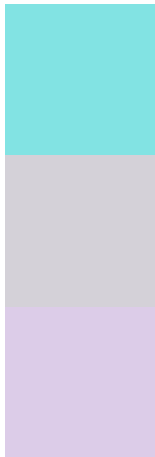


This preview shows how white text looks on a background with the Yxy color 65.2300, 0.2548, 0.3288.

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

65.2300, 0.2548, 0.3288

Protanopia

64.5558, 0.3101, 0.3211

Deuteranopia

64.2276, 0.3052, 0.2985



Tritanopia

65.4724, 0.2490, 0.3071

Trichromacy



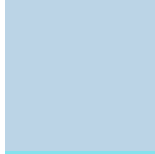
Original Color

65.2300, 0.2548, 0.3288



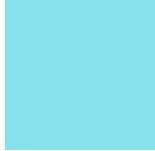
Protanomaly

64.2241, 0.2865, 0.3242



Deuteranomaly

63.3649, 0.2835, 0.3080



Tritanomaly

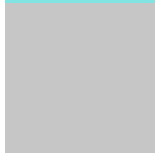
65.4937, 0.2512, 0.3154

Monochromacy



Original Color

65.2300, 0.2548, 0.3288



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.0886, 0.2869, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2300, 0.2548, 0.3288 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(130, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(130, 227, 227)  
}
```

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(130, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 227, 227) }
```

Border

The CSS property to change the border of an element to Yxy 65.2300, 0.2548, 0.3288 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(130, 227, 227) }
```

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

```
.border{ border-color:rgb(130, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 227, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 227, 227); box-shadow:4px 4px 4px 4px rgb(130, 227, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2300, 0.2548, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 227, 227) }
```

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

```
.background{ background-color: rgb(130,  
227, 227) }
```

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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