

Converting Colors

$Y_{xy}(65.3981, 0.2336, 0.3563)$

Have a look what the booklet for
Yxy(65.3981, 0.2336, 0.3563)
contains.

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Color

Yxy(65.1430, 0.2334, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	17ECD8
RGB	23, 236, 216
RGB Percent	9%, 93%, 85%
CMY	0.9082, 0.0744, 0.1529
CMYK	0.90, 0.00, 0.08, 0.07
HSL	174°, 85%, 51%
HSV	174°, 90%, 93%
XYZ	42.7570, 65.1430, 75.2918
YIQ	170.0330, -120.5280, -51.3760

Conversions

Conversions Part 2

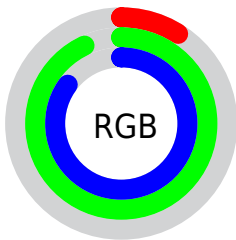
Format	Color
R_{YB}	23, 135, 236
Decimal	1567960
CIE _{Lab}	84.56, -50.32, -3.48
CIE _{LCh}	85, 50.445, 183.960
Yxy	65.1430, 0.2334, 0.3556
Android (android.graphics.Color)	4279758040 (0xFF17ECD8)
YUV	170.0330, 22.6617, -128.9479
Hunter-Lab	80.7112, -46.6838, 1.1889

Details

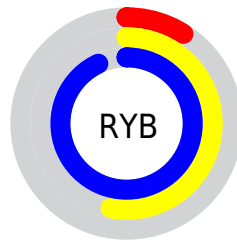
The Yxy color **65.1430, 0.2334, 0.3556** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.6424, 0.6090, 0.3211**, and the grayscale version is **40.2157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **34.8134, 0.2334, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **64.8452, 0.2330, 0.3588**, and if you desaturate by 10%, it is **65.6787, 0.2353, 0.3524**.

Distribution



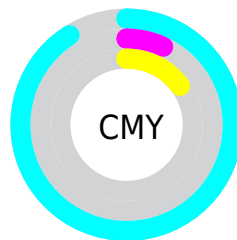
- Red (9%)
- Green (93%)
- Blue (85%)



- Red (9%)
- Yellow (53%)
- Blue (93%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (91%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1430, 0.2334, 0.3556 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 65.1430, 0.2334, 0.3556 by changing the saturation by 10% instead.

 65.1430, 0.2334,
0.3556

 65.1430, 0.2334,
0.3556

443.3057, 0.2702,
0.3436


 47.5770, 0.2250,
0.3582

 112.2554, 0.2461,
0.3515

 33.4921, 0.2147,
0.3614


 142.5707, 0.2511,
0.3499


 22.5037, 0.2018,
0.3653


 177.9045, 0.2554,
0.3485

 14.2274, 0.1851,
0.3702

 218.6412, 0.2591,
0.3473

 8.2790, 0.1627,
0.3764

 265.1653, 0.2624,
0.3462

 4.2740, 0.1319,
0.3842

317.8612, 0.2653,

 1.8280, 0.0668,

0.3453

0.4024

377.1132, 0.2679,
0.3444

■ 0.5045, 0.0000,
0.3889

■ 0.0000, 0.0000,
0.0000

■ 65.1430, 0.2334,
0.3556

■ 65.1430, 0.2334,
0.3556


■ 64.8452, 0.2330,
0.3588

■ 65.6787, 0.2353,
0.3524


■ 66.5164, 0.2391,
0.3491


■ 67.7013, 0.2448,
0.3459

■ 69.2693, 0.2524,
0.3427

 71.2520, 0.2619,
0.3396

 73.6776, 0.2729,
0.3367

 76.5717, 0.2852,
0.3339

 79.9582, 0.2985,
0.3314

 83.8592, 0.3126,
0.3290

Harmonies

Analogous

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



65.1430, 0.2837, 0.4158



65.1430, 0.2334, 0.3556



65.1430, 0.2055, 0.2931

Triad

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



65.1430, 0.2334, 0.3556



65.1430, 0.2714, 0.2364



65.1430, 0.4341, 0.3933

Complementary

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



65.1430, 0.2334, 0.3556



18.6424, 0.6090, 0.3211

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.



65.1430, 0.4332, 0.3457



65.1430, 0.2334, 0.3556



65.1430, 0.3333, 0.2602

Square

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



65.1430, 0.2334, 0.3556



65.1430, 0.2258, 0.2319



65.1430, 0.3949, 0.2989



65.1430, 0.4004, 0.4316

Rectangle

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



65.1430, 0.2334, 0.3556



65.1430, 0.2011, 0.2617



65.1430, 0.3949, 0.2989



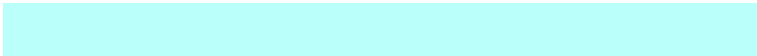
65.1430, 0.4381, 0.3779

Sweetspot

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



65.1455, 0.2334, 0.3556



88.7876, 0.2764, 0.3358



60.6140, 0.3040, 0.5900



18.7667, 0.2723, 0.3368



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.



65.1455, 0.2334, 0.3556



77.2898, 0.2330, 0.3589



28.3691, 0.1920, 0.2050



17.0960, 0.2994, 0.3312



35.7489, 0.2329, 0.3582



2.8143, 0.2316, 0.3538

Inverse Universe

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



18.6424, 0.6090, 0.3211



21.3259, 0.6319, 0.3254



28.7202, 0.5491, 0.3926



15.0771, 0.3278, 0.3268



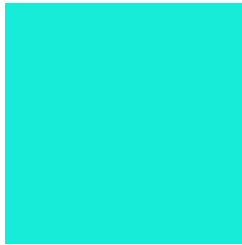
9.8704, 0.6292, 0.3240



0.7829, 0.6043, 0.3103

Previews

White Background



This preview shows how the Yxy color 65.1430, 0.2334, 0.3556 looks on a white background.

Color Contrast Check

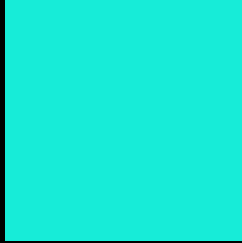
Large Text (above 18pt) WCAG AA × Fail

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 65.1430, 0.2334, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

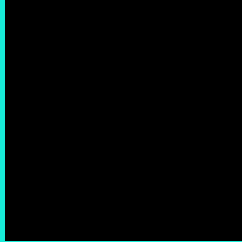
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

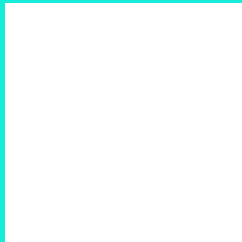
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1430, 0.2334, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 65.1430, 0.2334, 0.3556.

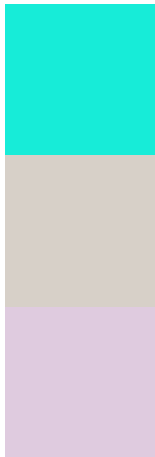


This preview shows how white text looks on a background with the Yxy color 65.1430, 0.2334, 0.3556.

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

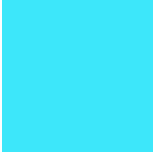
65.1309, 0.2334, 0.3556

Protanopia

63.7290, 0.3237, 0.3381

Deuteranopia

63.7276, 0.3137, 0.3071



Tritanopia

65.0461, 0.2239, 0.3050

Trichromacy



Original Color

65.1309, 0.2334, 0.3556



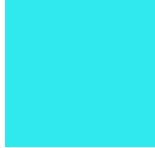
Protanomaly

60.6188, 0.2720, 0.3443



Deuteranomaly

60.2522, 0.2666, 0.3226



Tritanomaly

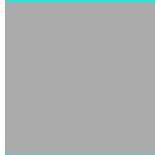
65.0552, 0.2266, 0.3223

Monochromacy



Original Color

65.1309, 0.2334, 0.3556



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

45.9533, 0.2626, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1430, 0.2334, 0.3556 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, 236, 216)` looks like.

```
.text, #text, p{  
    color:rgb(23, 236, 216)  
}
```

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, 236, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 236, 216) }
```

Border

The CSS property to change the border of an element to Yxy 65.1430, 0.2334, 0.3556 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, 236, 216) }
```

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

```
.border{ border-color:rgb(23, 236, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 236, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 236, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 236, 216);  
box-shadow:4px 4px 4px 4px rgb(23, 236,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1430, 0.2334, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 236, 216) }
```

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

```
.background{ background-color: rgb(23, 236,  
216) }
```

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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