

Converting Colors

$Y_{xy}(67.5002, 0.2330, 0.3564)$

Have a look what the booklet for
Yxy(67.5002, 0.2330, 0.3564)
contains.

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Color

Yxy(67.5362, 0.2331, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	10F0DB
RGB	16, 240, 219
RGB Percent	6%, 94%, 86%
CMY	0.9389, 0.0588, 0.1413
CMYK	0.94, 0.00, 0.09, 0.06
HSL	174°, 88%, 50%
HSV	174°, 94%, 94%
XYZ	44.1466, 67.5362, 77.7064
YIQ	170.6300, -126.7630, -54.0190

Conversions

Conversions Part 2

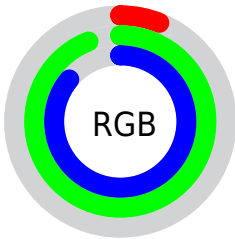
Format	Color
R _Y B	16, 134, 240
Decimal	1110235
CIE Lab	85.77, -51.46, -3.26
CIE LCh	86, 51.565, 183.621
Yxy	67.5362, 0.2331, 0.3566
Android (android.graphics.Color)	4279300315 (0xFF10F0DB)
YUV	170.6300, 23.8464, -135.6105
Hunter-Lab	82.1804, -47.9270, 1.4641

Details

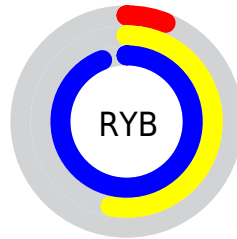
The Yxy color **67.5362, 0.2331, 0.3566** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.0140, 0.6185, 0.3227**, and the grayscale version is **40.3852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **36.5473, 0.2337, 0.3615** is the 20% darker color. If you saturate the color by 10%, you get **67.3559, 0.2330, 0.3587**, and if you desaturate by 10%, it is **67.9941, 0.2344, 0.3534**.

Distribution



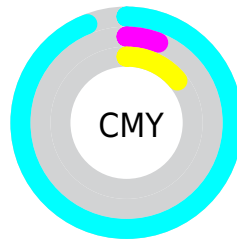
- Red (6%)
- Green (94%)
- Blue (86%)



- Red (6%)
- Yellow (53%)
- Blue (94%)



- Cyan (94%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)




- Cyan (94%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5362, 0.2331, 0.3566 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 67.5362, 0.2331, 0.3566 by changing the saturation by 10% instead.


 67.5362, 0.2331,
0.3566

 67.5362, 0.2331,
0.3566


451.8510, 0.2698,
0.3442

 49.5205, 0.2248,
0.3593


 115.6884, 0.2458,
0.3524


 35.0326, 0.2146,
0.3626


 146.5937, 0.2507,
0.3507

 23.6880, 0.2019,
0.3666


 182.5643, 0.2550,
0.3493

 15.1023, 0.1855,
0.3716

 223.9846, 0.2587,
0.3480

 8.8912, 0.1636,
0.3780

 271.2391, 0.2620,
0.3469

 4.6703, 0.1337,
0.3862

324.7120, 0.2649,

 2.0551, 0.0788,

0.3459

0.4014

384.7879, 0.2675,
0.3450

■ 0.6392, 0.0000,
0.4090

■ 0.0000, 0.0000,
0.0000

■ 67.5362, 0.2331,
0.3566

■ 67.5362, 0.2331,
0.3566

■ 67.3559, 0.2330,
0.3587

■ 67.9941, 0.2344,
0.3534

■ 68.7480, 0.2375,
0.3502

■ 69.8486, 0.2425,
0.3469

■ 71.3355, 0.2495,
0.3437

73.2428, 0.2584,
0.3406

75.6011, 0.2689,
0.3376

78.4380, 0.2808,
0.3348

81.7789, 0.2938,
0.3322

85.6474, 0.3077,
0.3298

Harmonies

Analogous

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



67.5362, 0.2841, 0.4173



67.5362, 0.2331, 0.3566



67.5362, 0.2047, 0.2933

Triad

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



67.5362, 0.2331, 0.3566



67.5362, 0.2703, 0.2354



67.5362, 0.4355, 0.3933

Complementary

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



67.5362, 0.2331, 0.3566



19.0140, 0.6185, 0.3227

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.



67.5362, 0.4342, 0.3452



67.5362, 0.2331, 0.3566



67.5362, 0.3328, 0.2593

Square

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



67.5362, 0.2331, 0.3566



67.5362, 0.2246, 0.2311



67.5362, 0.3951, 0.2981



67.5362, 0.4017, 0.4322

Rectangle

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



67.5362, 0.2331, 0.3566



67.5362, 0.2001, 0.2615



67.5362, 0.3951, 0.2981



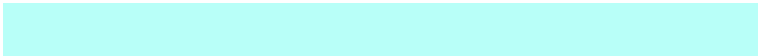
67.5362, 0.4394, 0.3777

Sweetspot

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



67.5388, 0.2331, 0.3566



88.4576, 0.2752, 0.3361



62.7678, 0.3032, 0.5937



18.6410, 0.2701, 0.3373



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.



67.5388, 0.2331, 0.3566



77.2957, 0.2330, 0.3588



28.2828, 0.1898, 0.1997



17.9019, 0.2993, 0.3312



36.8829, 0.2328, 0.3581



3.0757, 0.2317, 0.3539

Inverse Universe

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



19.0140, 0.6185, 0.3227



21.3255, 0.6319, 0.3255



28.7340, 0.5578, 0.3899



15.7829, 0.3279, 0.3268



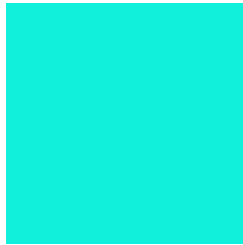
10.1821, 0.6294, 0.3241



0.8552, 0.6059, 0.3111

Previews

White Background



This preview shows how the Yxy color 67.5362, 0.2331, 0.3566 looks on a white background.

Color Contrast Check

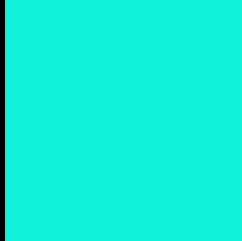
Large Text (above 18pt) WCAG AA × Fail

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 67.5362, 0.2331, 0.3566 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 67.5362, 0.2331, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 67.5362, 0.2331, 0.3566.

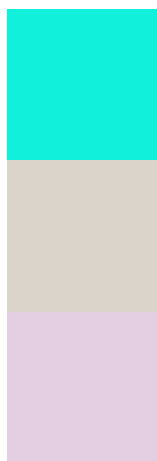


This preview shows how white text looks on a background with the Yxy color 67.5362, 0.2331, 0.3566.

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

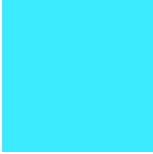
67.5448, 0.2331, 0.3566

Protanopia

66.4588, 0.3242, 0.3391

Deuteranopia

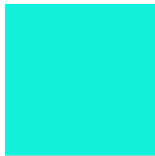
65.9645, 0.3145, 0.3074



Tritanopia

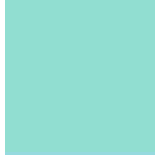
67.5645, 0.2238, 0.3053

Trichromacy



Original Color

67.5448, 0.2331, 0.3566



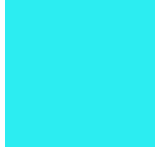
Protanomaly

62.8657, 0.2709, 0.3454



Deuteranomaly

61.9546, 0.2655, 0.3227



Tritanomaly

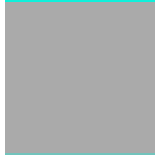
67.4547, 0.2265, 0.3237

Monochromacy



Original Color

67.5448, 0.2331, 0.3566



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.2385, 0.2605, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5362, 0.2331, 0.3566 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(16, 240, 219)` looks like.

```
.text, #text, p{  
    color:rgb(16, 240, 219)  
}
```

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(16, 240, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 240, 219) }
```

Border

The CSS property to change the border of an element to Yxy 67.5362, 0.2331, 0.3566 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(16, 240, 219) }
```

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

```
.border{ border-color:rgb(16, 240, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 240, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 240, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 240, 219);  
box-shadow:4px 4px 4px 4px rgb(16, 240,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5362, 0.2331, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 240, 219) }
```

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

```
.background{ background-color: rgb(16, 240,  
219) }
```

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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