

Converting Colors

$Yxy(66.1340, 0.2349, 0.3616)$

Have a look what the booklet for
Yxy(66.1340, 0.2349, 0.3616)
contains.

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Color

Yxy(66.1635, 0.2347, 0.3609)

Conversions

Conversions Part 1

Format	Color
Hex	15EED6
RGB	21, 238, 214
RGB Percent	8%, 93%, 84%
CMY	0.9167, 0.0667, 0.1607
CMYK	0.91, 0.00, 0.10, 0.07
HSL	173°, 86%, 51%
HSV	173°, 91%, 93%
XYZ	43.0274, 66.1635, 74.1383
YIQ	170.3810, -121.6280, -53.4680

Conversions

Conversions Part 2

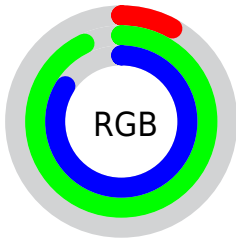
Format	Color
R _{YB}	21, 136, 238
Decimal	1437398
CIE Lab	85.08, -51.77, -1.68
CIE LCh	85, 51.797, 181.853
Yxy	66.1635, 0.2347, 0.3609
Android (android.graphics.Color)	4279627478 (0xFF15EED6)
YUV	170.3810, 21.5042, -131.0071
Hunter-Lab	81.3409, -47.9246, 2.8987

Details

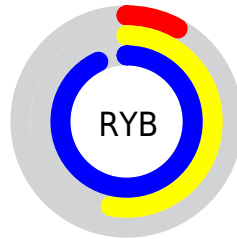
The Yxy color **66.1635, 0.2347, 0.3609** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.9132, 0.6085, 0.3196**, and the grayscale version is **40.3736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **35.5510, 0.2354, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **65.8847, 0.2345, 0.3643**, and if you desaturate by 10%, it is **66.6984, 0.2363, 0.3571**.

Distribution



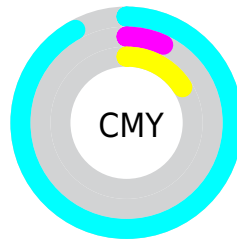
- Red (8%)
- Green (93%)
- Blue (84%)



- Red (8%)
- Yellow (53%)
- Blue (93%)



- Cyan (91%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)





- Cyan (92%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1635, 0.2347, 0.3609 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 66.1635, 0.2347, 0.3609 by changing the saturation by 10% instead.

 66.1635, 0.2347,
0.3609


 66.1635, 0.2347,
0.3609

446.9614, 0.2709,
0.3463


 48.4051, 0.2265,
0.3642


 113.7210, 0.2472,
0.3559


 34.1478, 0.2163,
0.3682


 144.2889, 0.2521,
0.3539


 23.0072, 0.2036,
0.3732


 179.8954, 0.2563,
0.3522

 14.5988, 0.1871,
0.3796

 220.9250, 0.2600,
0.3507

 8.5383, 0.1650,
0.3880

 267.7619, 0.2632,
0.3494

 4.4413, 0.1345,
0.3992

320.7907, 0.2661,

 1.9234, 0.0711,

0.3483

0.4234

380.3958, 0.2686,
0.3472

■ 0.5624, 0.0000,
0.4353

■ 0.0000, 0.0000,
0.0000

■ 66.1635, 0.2347,
0.3609

■ 66.1635, 0.2347,
0.3609


■ 65.8847, 0.2345,
0.3643

■ 66.6984, 0.2363,
0.3571


■ 67.5368, 0.2397,
0.3532

■ 68.7259, 0.2451,
0.3493


■ 70.3030, 0.2525,
0.3456

 72.3005, 0.2616,
0.3419

 74.7476, 0.2723,
0.3384

 77.6708, 0.2843,
0.3351

 81.0944, 0.2974,
0.3321

 85.0414, 0.3112,
0.3293

Harmonies

Analogous

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



66.1635, 0.2872, 0.4213



66.1635, 0.2347, 0.3609



66.1635, 0.2045, 0.2962

Triad

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



66.1635, 0.2347, 0.3609



66.1635, 0.2665, 0.2336



66.1635, 0.4378, 0.3911

Complementary

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



66.1635, 0.2347, 0.3609



18.9132, 0.6085, 0.3196

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.



66.1635, 0.4342, 0.3423



66.1635, 0.2347, 0.3609



66.1635, 0.3290, 0.2567

Square

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



66.1635, 0.2347, 0.3609



66.1635, 0.2217, 0.2306



66.1635, 0.3928, 0.2951



66.1635, 0.4054, 0.4315

Rectangle

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



66.1635, 0.2347, 0.3609



66.1635, 0.1989, 0.2631



66.1635, 0.3928, 0.2951



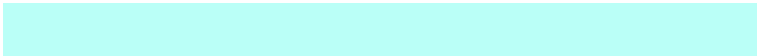
66.1635, 0.4410, 0.3752

Sweetspot

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



66.1660, 0.2347, 0.3609



88.7172, 0.2770, 0.3371



61.7958, 0.3045, 0.5906



18.7498, 0.2729, 0.3382



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.



66.1660, 0.2347, 0.3609



77.0550, 0.2346, 0.3644



29.7474, 0.1928, 0.2089



17.8971, 0.2996, 0.3316



36.7700, 0.2344, 0.3637



3.0674, 0.2330, 0.3586

Inverse Universe

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



18.9132, 0.6085, 0.3196



21.3448, 0.6296, 0.3242



28.1996, 0.5561, 0.3883



15.7873, 0.3276, 0.3264



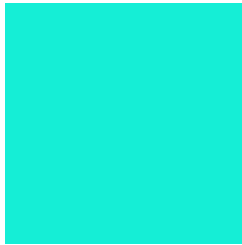
10.1926, 0.6267, 0.3226



0.8572, 0.6002, 0.3080

Previews

White Background



This preview shows how the Yxy color 66.1635, 0.2347, 0.3609 looks on a white background.

Color Contrast Check

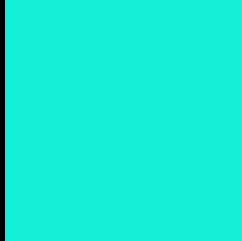
Large Text (above 18pt) WCAG AA × Fail

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 66.1635, 0.2347, 0.3609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

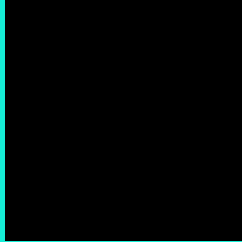
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.1635, 0.2347, 0.3609

Background



This preview shows how black text looks on a background with the Yxy color 66.1635, 0.2347, 0.3609.

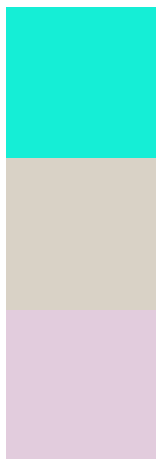


This preview shows how white text looks on a background with the Yxy color 66.1635, 0.2347, 0.3609.

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

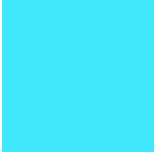
66.1635, 0.2347, 0.3609

Protanopia

64.9221, 0.3265, 0.3426

Deuteranopia

64.5749, 0.3174, 0.3105



Tritanopia

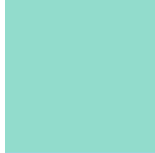
66.2996, 0.2246, 0.3064

Trichromacy



Original Color

66.1635, 0.2347, 0.3609



Protanomaly

61.6570, 0.2739, 0.3494



Deuteranomaly

60.8491, 0.2690, 0.3264



Tritanomaly

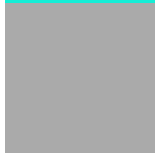
66.2181, 0.2275, 0.3249

Monochromacy



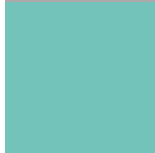
Original Color

66.1635, 0.2347, 0.3609



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.2884, 0.2628, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1635, 0.2347, 0.3609 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(21, 238, 214)` looks like.

```
.text, #text, p{  
    color:rgb(21, 238, 214)  
}
```

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(21, 238, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 238, 214) }
```

Border

The CSS property to change the border of an element to Yxy 66.1635, 0.2347, 0.3609 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(21, 238, 214) }
```

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

```
.border{ border-color:rgb(21, 238, 214) }
```

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

Here you see how a box with a 4 pixel rgb(21, 238, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 238, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 238, 214);  
box-shadow:4px 4px 4px 4px rgb(21, 238,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1635, 0.2347, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 238, 214) }
```

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

```
.background{ background-color: rgb(21, 238,  
214) }
```

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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