

Converting Colors

$Yxy(64.1293, 0.2381, 0.3458)$

Have a look what the booklet for
Yxy(64.1293, 0.2381, 0.3458)
contains.

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Color

Yxy(64.1298, 0.2383, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	46E8DB
RGB	70, 232, 219
RGB Percent	27%, 91%, 86%
CMY	0.7253, 0.0902, 0.1413
CMYK	0.70, 0.00, 0.06, 0.09
HSL	175°, 78%, 59%
HSV	175°, 70%, 91%
XYZ	44.1680, 64.1298, 77.0484
YIQ	182.0800, -92.3790, -38.3870

Conversions

Conversions Part 2

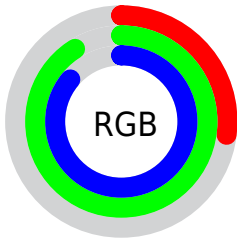
Format	Color
RYB	70, 154, 232
Decimal	4647131
CIELab	84.03, -43.90, -5.75
CIELCh	84, 44.272, 187.465
Yxy	64.1298, 0.2383, 0.3460
Android (android.graphics.Color)	4282837211 (0xFF46E8DB)
YUV	182.0800, 18.2016, -98.2942
Hunter-Lab	80.0811, -41.6918, -0.9879

Details

The Yxy color **64.1298, 0.2383, 0.3460** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.1694, 0.5311, 0.3179**, and the grayscale version is **46.7700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **33.7310, 0.2305, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **63.3312, 0.2344, 0.3488**, and if you desaturate by 10%, it is **65.2675, 0.2442, 0.3433**.

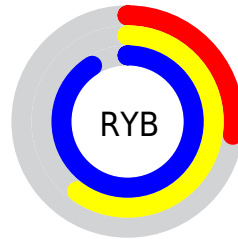
Distribution



Red (27%)

Green (91%)

Blue (86%)



Red (27%)

Yellow (60%)

Blue (91%)

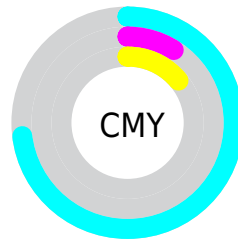


Cyan (70%)

Magenta (0%)

Yellow (6%)

Black (9%)



Cyan (73%)


Magenta (9%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1298, 0.2383, 0.3460 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 64.1298, 0.2383, 0.3460 by changing the saturation by 10% instead.

 64.1298, 0.2383,
0.3460

 64.1298, 0.2383,
0.3460


439.6582, 0.2729,
0.3387


 46.7558, 0.2304,
0.3475


 110.7978, 0.2503,
0.3436


 32.8427, 0.2207,
0.3493


 140.8607, 0.2549,
0.3426

 22.0059, 0.2085,
0.3515


 175.9220, 0.2590,
0.3417

 13.8613, 0.1926,
0.3540

 216.3660, 0.2625,
0.3410

 8.0242, 0.1714,
0.3569

262.5773, 0.2655,
0.3403

 4.1105, 0.1418,
0.3599

314.9401, 0.2683,

 1.7355, 0.0856,

0.3397

0.3667

373.8390, 0.2707,
0.3391

■ 0.4465, 0.0000,
0.3345

■ 0.0000, 0.0000,
0.0000

■ 64.1298, 0.2383,
0.3460

■ 64.1298, 0.2383,
0.3460

■ 63.3312, 0.2344,
0.3488

■ 65.2675, 0.2442,
0.3433

■ 62.8237, 0.2323,
0.3515


■ 66.7712, 0.2520,
0.3406


■ 62.5411, 0.2317,
0.3542


■ 68.6736, 0.2615,
0.3380


■ 62.5363, 0.2317,
0.3542


■ 71.0016, 0.2727,
0.3355

 73.7797, 0.2852,
0.3331

 77.0307, 0.2987,
0.3309

 80.7759, 0.3130,
0.3290

 84.9102, 0.3273,
0.3272

 85.0180, 0.3260,
0.3253

Harmonies

Analogous

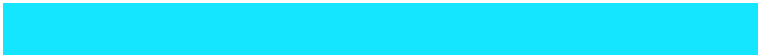
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1298, 0.2816, 0.3995



64.1298, 0.2383, 0.3460



64.1298, 0.2154, 0.2925

Triad

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



64.1298, 0.2383, 0.3460



64.1298, 0.2822, 0.2476



64.1298, 0.4184, 0.3921

Complementary

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



64.1298, 0.2383, 0.3460



22.1694, 0.5311, 0.3179

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.



64.1298, 0.4209, 0.3501



64.1298, 0.2383, 0.3460



64.1298, 0.3380, 0.2710

Square

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



64.1298, 0.2383, 0.3460



64.1298, 0.2390, 0.2416



64.1298, 0.3906, 0.3072



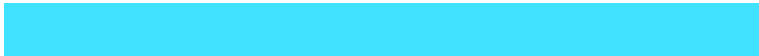
64.1298, 0.3862, 0.4230

Rectangle

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



64.1298, 0.2383, 0.3460



64.1298, 0.2131, 0.2659



64.1298, 0.3906, 0.3072



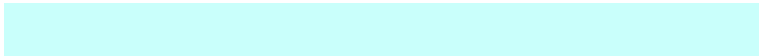
64.1298, 0.4229, 0.3787

Sweetspot

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



64.1322, 0.2383, 0.3460



90.9456, 0.2835, 0.3334



60.0221, 0.3075, 0.5495



19.2537, 0.2800, 0.3341



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.



64.1322, 0.2383, 0.3460



78.1466, 0.2332, 0.3500



33.8696, 0.2092, 0.2326



16.3153, 0.2992, 0.3309



34.7255, 0.2316, 0.3538



2.5721, 0.2305, 0.3498

Inverse Universe

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



22.1694, 0.5311, 0.3179



23.1379, 0.5931, 0.3207



35.6426, 0.4853, 0.3985



14.3867, 0.3280, 0.3271



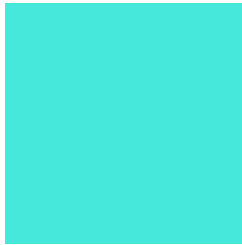
9.5569, 0.6310, 0.3250



0.7128, 0.6079, 0.3122

Previews

White Background



This preview shows how the Yxy color 64.1298, 0.2383, 0.3460 looks on a white background.

Color Contrast Check

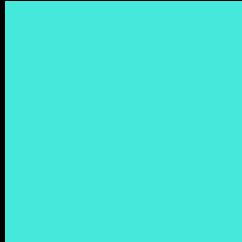
Large Text (above 18pt) WCAG AA × Fail

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 64.1298, 0.2383, 0.3460 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 64.1298, 0.2383, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 64.1298, 0.2383, 0.3460.

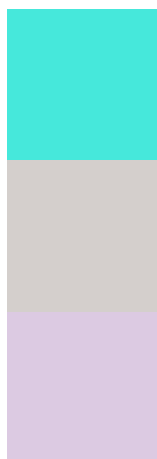


This preview shows how white text looks on a background with the Yxy color 64.1298, 0.2383, 0.3460.

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

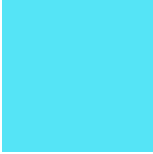
64.1298, 0.2383, 0.3460

Protanopia

62.9823, 0.3186, 0.3325

Deuteranopia

62.9477, 0.3094, 0.3026



Tritanopia

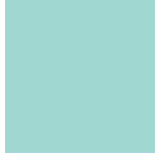
64.0719, 0.2300, 0.3062

Trichromacy



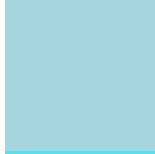
Original Color

64.1298, 0.2383, 0.3460



Protanomaly

61.1888, 0.2790, 0.3377



Deuteranomaly

60.9155, 0.2736, 0.3167



Tritanomaly

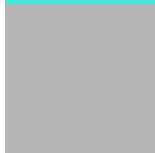
63.8002, 0.2329, 0.3198

Monochromacy



Original Color

64.1298, 0.2383, 0.3460



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.9114, 0.2735, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1298, 0.2383, 0.3460 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(70, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(70, 232, 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(70, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 232, 219) }
```

Border

The CSS property to change the border of an element to Yxy 64.1298, 0.2383, 0.3460 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(70, 232, 219) }
```

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

```
.border{ border-color:rgb(70, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(70, 232,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1298, 0.2383, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 232, 219) }
```

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

```
.background{ background-color: rgb(70, 232,  
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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