

Converting Colors

$Yxy(64.1149, 0.2393, 0.3496)$

Have a look what the booklet for
Yxy(64.1149, 0.2393, 0.3496)
contains.

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Color

Yxy(64.0251, 0.2391, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	46E8D9
RGB	70, 232, 217
RGB Percent	27%, 91%, 85%
CMY	0.7258, 0.0902, 0.1490
CMYK	0.70, 0.00, 0.06, 0.09
HSL	174°, 78%, 59%
HSV	174°, 70%, 91%
XYZ	43.9014, 64.0251, 75.6844
YIQ	181.8520, -91.7370, -39.0090

Conversions

Conversions Part 2

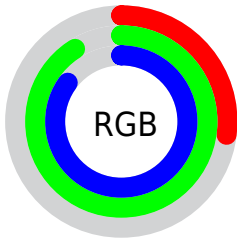
Format	Color
RYB	70, 155, 232
Decimal	4647129
CIELab	83.98, -44.44, -4.79
CIELCh	84, 44.700, 186.149
Yxy	64.0251, 0.2391, 0.3487
Android (android.graphics.Color)	4282837209 (0xFF46E8D9)
YUV	181.8520, 17.3280, -98.0942
Hunter-Lab	80.0157, -42.0918, -0.0696

Details

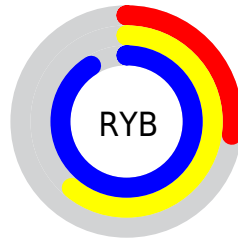
The Yxy color **64.0251, 0.2391, 0.3487** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.1831, 0.5286, 0.3160**, and the grayscale version is **46.6251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **33.6593, 0.2315, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **63.2149, 0.2353, 0.3519**, and if you desaturate by 10%, it is **65.1745, 0.2449, 0.3455**.

Distribution



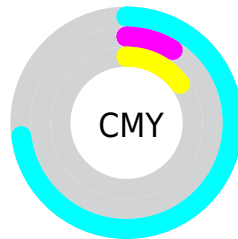
- Red (27%)
- Green (91%)
- Blue (85%)



- Red (27%)
- Yellow (61%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (73%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0251, 0.2391, 0.3487 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 64.0251, 0.2391, 0.3487 by changing the saturation by 10% instead.

 64.0251, 0.2391,
0.3487


 64.0251, 0.2391,
0.3487


439.2803, 0.2733,
0.3400


 46.6710, 0.2313,
0.3506


 110.6471, 0.2510,
0.3458


 32.7756, 0.2216,
0.3528


 140.6838, 0.2556,
0.3446

 21.9546, 0.2095,
0.3555

 175.7168, 0.2596,
0.3436

 13.8236, 0.1937,
0.3588

 216.1305, 0.2631,
0.3427

 7.9981, 0.1724,
0.3629

262.3093, 0.2661,
0.3419

 4.0937, 0.1428,
0.3676

314.6376, 0.2688,

 1.7261, 0.0846,

0.3412

373.4998, 0.2712,
0.3406

0.3782

0.4405, 0.0000,
0.3510

0.0000, 0.0000,
0.0000

64.0251, 0.2391,
0.3487

64.0251, 0.2391,
0.3487

63.2149, 0.2353,
0.3519

65.1745, 0.2449,
0.3455

62.6959, 0.2333,
0.3551


66.6903, 0.2526,
0.3424

62.4013, 0.2329,
0.3582

68.6048, 0.2620,
0.3394


62.3978, 0.2329,
0.3583

70.9452, 0.2731,
0.3365

 73.7360, 0.2854,
0.3338

 77.0000, 0.2988,
0.3313

 80.7584, 0.3129,
0.3290

 84.9303, 0.3271,
0.3269

 85.0547, 0.3257,
0.3248

Harmonies

Analogous

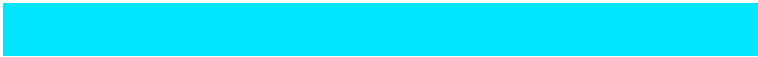
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.0251, 0.2835, 0.4023



64.0251, 0.2391, 0.3487



64.0251, 0.2150, 0.2941

Triad

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



64.0251, 0.2391, 0.3487



64.0251, 0.2796, 0.2462



64.0251, 0.4202, 0.3909

Complementary

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



64.0251, 0.2391, 0.3487



22.1831, 0.5286, 0.3160

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.



64.0251, 0.4213, 0.3482



64.0251, 0.2391, 0.3487



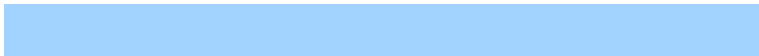
64.0251, 0.3357, 0.2691

Square

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



64.0251, 0.2391, 0.3487



64.0251, 0.2368, 0.2410



64.0251, 0.3894, 0.3052



64.0251, 0.3888, 0.4230

Rectangle

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



64.0251, 0.2391, 0.3487



64.0251, 0.2120, 0.2667



64.0251, 0.3894, 0.3052



64.0251, 0.4244, 0.3772

Sweetspot

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



64.0275, 0.2391, 0.3487



90.9045, 0.2838, 0.3341



60.1448, 0.3086, 0.5489



19.2438, 0.2803, 0.3348



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.



64.0275, 0.2391, 0.3487



77.9945, 0.2342, 0.3534



34.8276, 0.2102, 0.2366



16.3122, 0.2994, 0.3312



34.6475, 0.2327, 0.3577



2.5671, 0.2314, 0.3531

Inverse Universe

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



22.1831, 0.5286, 0.3160



23.1652, 0.5903, 0.3191



34.8591, 0.4882, 0.3956



14.3896, 0.3278, 0.3269



9.5633, 0.6293, 0.3240



0.7142, 0.6034, 0.3098

Previews

White Background



This preview shows how the Yxy color 64.0251, 0.2391, 0.3487 looks on a white background.

Color Contrast Check

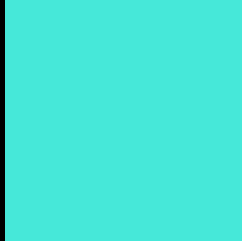
Large Text (above 18pt) WCAG AA × Fail

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 64.0251, 0.2391, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

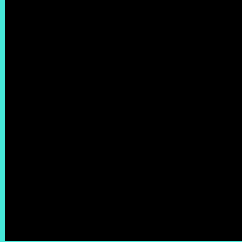
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

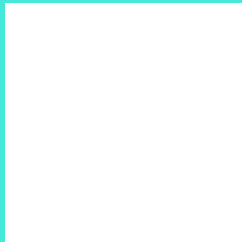
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.0251, 0.2391, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 64.0251, 0.2391, 0.3487.

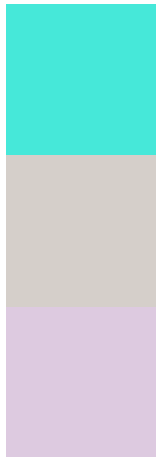


This preview shows how white text looks on a background with the Yxy color 64.0251, 0.2391, 0.3487.

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

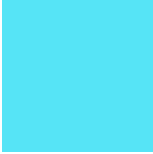
64.0251, 0.2391, 0.3487

Protanopia

63.0360, 0.3208, 0.3347

Deuteranopia

62.9950, 0.3116, 0.3048



Tritanopia

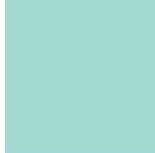
64.1191, 0.2303, 0.3063

Trichromacy



Original Color

64.0251, 0.2391, 0.3487



Protanomaly

61.1938, 0.2808, 0.3402



Deuteranomaly

60.9159, 0.2754, 0.3191



Tritanomaly

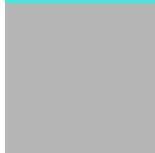
63.7423, 0.2333, 0.3211

Monochromacy



Original Color

64.0251, 0.2391, 0.3487



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 64.0251, 0.2391, 0.3487 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(70, 232, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 232, 217) }
```

Border

The CSS property to change the border of an element to Yxy 64.0251, 0.2391, 0.3487 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, 217) }
```

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

```
.border{ border-color:rgb(70, 232, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 232, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 232, 217);  
box-shadow:4px 4px 4px 4px rgb(70, 232,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0251, 0.2391, 0.3487 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, 217) }
```

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

```
.background{ background-color: rgb(70, 232,  
217) }
```

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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