

Converting Colors

$Yxy(64.0806, 0.2525, 0.3564)$

Have a look what the booklet for
Yxy(64.0806, 0.2525, 0.3564)
contains.

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Color

Yxy(64.0806, 0.2525, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	67E6D1
RGB	103, 230, 209
RGB Percent	40%, 90%, 82%
CMY	0.5962, 0.0980, 0.1803
CMYK	0.55, 0.00, 0.09, 0.10
HSL	170°, 72%, 65%
HSV	170°, 55%, 90%
XYZ	45.3994, 64.0806, 70.3196
YIQ	189.6330, -68.9510, -33.4550

Conversions

Conversions Part 2

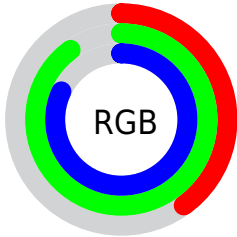
Format	Color
RYB	103, 172, 230
Decimal	6809297
CIELab	84.01, -40.22, -0.45
CIElCh	84, 40.223, 180.640
Yxy	64.0806, 0.2525, 0.3564
Android (android.graphics.Color)	4284999377 (0xFF67E6D1)
YUV	189.6330, 9.5479, -75.9771
Hunter-Lab	80.0504, -38.8544, 3.9524

Details

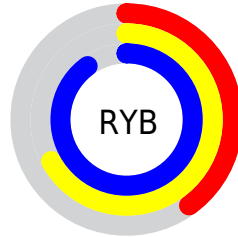
The Yxy color **64.0806, 0.2525, 0.3564** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **27.9721, 0.4500, 0.3061**, and the grayscale version is **51.2424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **32.8999, 0.2377, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **62.7196, 0.2463, 0.3623**, and if you desaturate by 10%, it is **65.8251, 0.2605, 0.3507**.

Distribution



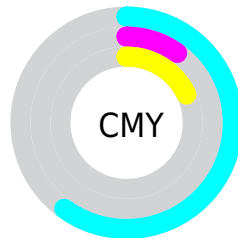
- Red (40%)
- Green (90%)
- Blue (82%)



- Red (40%)
- Yellow (67%)
- Blue (90%)



- Cyan (55%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)




- Cyan (60%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0806, 0.2525, 0.3564 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 64.0806, 0.2525, 0.3564 by changing the saturation by 10% instead.

 64.0806, 0.2525,
0.3564

 64.0806, 0.2525,
0.3564


439.4806, 0.2808,
0.3436


 46.7160, 0.2460,
0.3594

 110.7270, 0.2624,
0.3519

 32.8112, 0.2378,
0.3630


 140.7776, 0.2662,
0.3502

 21.9818, 0.2275,
0.3677


 175.8255, 0.2695,
0.3487

 13.8435, 0.2140,
0.3738

216.2553, 0.2723,
0.3474

 8.0119, 0.1954,
0.3821

262.4514, 0.2748,
0.3463

 4.1026, 0.1688,
0.3939

314.7980, 0.2770,

 1.7311, 0.1184,

0.3453

0.4164

373.6796, 0.2790,
0.3444

0.4437, 0.0000,
0.4630

0.0000, 0.0000,
0.0000

64.0806, 0.2525,
0.3564

64.0806, 0.2525,
0.3564

62.7196, 0.2463,
0.3623

65.8251, 0.2605,
0.3507

61.7029, 0.2421,
0.3682


67.9734, 0.2701,
0.3453

60.9965, 0.2399,
0.3741

70.5534, 0.2810,
0.3402


60.5553, 0.2395,
0.3800


73.5884, 0.2930,
0.3355


 60.4035, 0.2397,
0.3828

 77.0998, 0.3058,
0.3311

 81.1078, 0.3191,
0.3272

 83.8896, 0.3263,
0.3235

 84.1122, 0.3239,
0.3198

 84.3395, 0.3214,
0.3161

Harmonies

Analogous

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



64.0806, 0.2956, 0.4011



64.0806, 0.2525, 0.3564



64.0806, 0.2265, 0.3063

Triad

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



64.0806, 0.2525, 0.3564



64.0806, 0.2747, 0.2514



64.0806, 0.4121, 0.3791

Complementary

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



64.0806, 0.2525, 0.3564



27.9721, 0.4500, 0.3061

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.



64.0806, 0.4071, 0.3398



64.0806, 0.2525, 0.3564



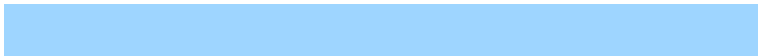
64.0806, 0.3240, 0.2696

Square

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



64.0806, 0.2525, 0.3564



64.0806, 0.2386, 0.2503



64.0806, 0.3739, 0.3010



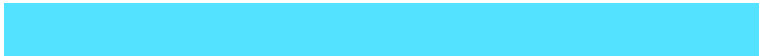
64.0806, 0.3886, 0.4101

Rectangle

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



64.0806, 0.2525, 0.3564



64.0806, 0.2210, 0.2792



64.0806, 0.3739, 0.3010



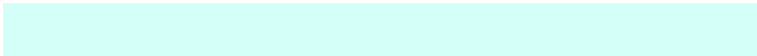
64.0806, 0.4139, 0.3664

Sweetspot

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



64.0831, 0.2525, 0.3564



92.2327, 0.2907, 0.3363



61.8705, 0.3160, 0.5003



19.5704, 0.2883, 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.



64.0831, 0.2525, 0.3564



79.0900, 0.2458, 0.3629



44.4166, 0.2309, 0.2714



16.2934, 0.3003, 0.3329



34.2112, 0.2394, 0.3819



2.5390, 0.2370, 0.3733

Inverse Universe

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



27.9721, 0.4500, 0.3061



29.2538, 0.4960, 0.3043



38.1497, 0.4472, 0.3769



14.4066, 0.3267, 0.3251



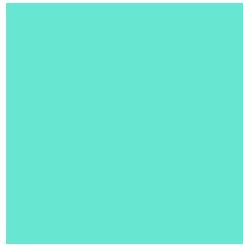
9.6153, 0.6156, 0.3165



0.7223, 0.5783, 0.2960

Previews

White Background



This preview shows how the Yxy color 64.0806, 0.2525, 0.3564 looks on a white background.

Color Contrast Check

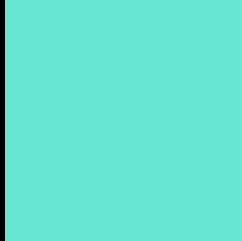
Large Text (above 18pt) WCAG AA × Fail

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 64.0806, 0.2525, 0.3564 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

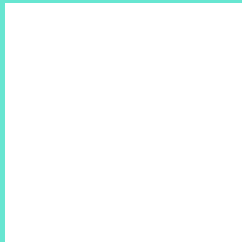
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.0806, 0.2525, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 64.0806, 0.2525, 0.3564.

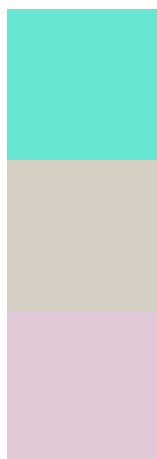


This preview shows how white text looks on a background with the Yxy color 64.0806, 0.2525, 0.3564.

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

64.0806, 0.2525, 0.3564

Protanopia

62.9073, 0.3259, 0.3417

Deuteranopia

63.1549, 0.3211, 0.3147



Tritanopia

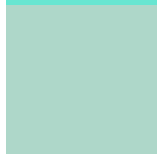
63.9663, 0.2405, 0.3066

Trichromacy



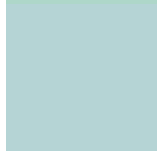
Original Color

64.0806, 0.2525, 0.3564



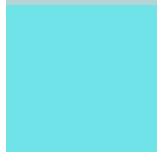
Protanomaly

61.8166, 0.2929, 0.3462



Deuteranomaly

61.7148, 0.2900, 0.3277



Tritanomaly

64.0872, 0.2447, 0.3237

Monochromacy



Original Color

64.0806, 0.2525, 0.3564



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.9630, 0.2840, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0806, 0.2525, 0.3564 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(103, 230, 209)` looks like.

```
.text, #text, p{  
    color:rgb(103, 230, 209)  
}
```

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(103, 230, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 230, 209) }
```

Border

The CSS property to change the border of an element to Yxy 64.0806, 0.2525, 0.3564 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(103, 230, 209) }
```

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

```
.border{ border-color:rgb(103, 230, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 230, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 230, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 230, 209);  
box-shadow:4px 4px 4px 4px rgb(103, 230,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0806, 0.2525, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 230, 209) }
```

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

```
.background{ background-color: rgb(103,  
230, 209) }
```

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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