

Converting Colors

$Yxy(64.6436, 0.2570, 0.3602)$

Have a look what the booklet for
Yxy(64.6436, 0.2570, 0.3602)
contains.

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Color

Yxy(64.4294, 0.2572, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	6FE6CE
RGB	111, 230, 206
RGB Percent	44%, 90%, 81%
CMY	0.5647, 0.0980, 0.1922
CMYK	0.52, 0.00, 0.10, 0.10
HSL	168°, 70%, 67%
HSV	168°, 52%, 90%
XYZ	45.9929, 64.4294, 68.3992
YIQ	191.6830, -63.2200, -32.6920

Conversions

Conversions Part 2

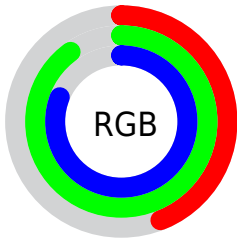
Format	Color
RYB	111, 177, 230
Decimal	7333582
CIELab	84.19, -39.31, 1.45
CIElCh	84, 39.332, 177.885
Yxy	64.4294, 0.2572, 0.3603
Android (android.graphics.Color)	4285523662 (0xFF6FE6CE)
YUV	191.6830, 7.0583, -70.7590
Hunter-Lab	80.2679, -38.1898, 5.6644

Details

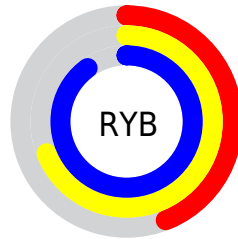
The Yxy color **64.4294, 0.2572, 0.3603** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **29.9451, 0.4308, 0.3022**, and the grayscale version is **52.5062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **33.0970, 0.2434, 0.3681** is the 20% darker color. If you saturate the color by 10%, you get **62.9047, 0.2507, 0.3675**, and if you desaturate by 10%, it is **66.3499, 0.2655, 0.3534**.

Distribution



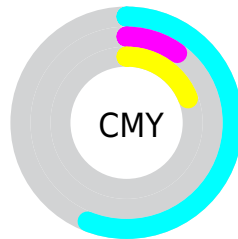
- Red (44%)
- Green (90%)
- Blue (81%)



- Red (44%)
- Yellow (69%)
- Blue (90%)



- Cyan (52%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)




- Cyan (56%)
- Magenta (10%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4294, 0.2572, 0.3603 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 64.4294, 0.2572, 0.3603 by changing the saturation by 10% instead.


 64.4294, 0.2572,
0.3603

 64.4294, 0.2572,
0.3603


440.7386, 0.2834,
0.3455

 46.9985, 0.2511,
0.3638


 111.2291, 0.2664,
0.3551

 33.0345, 0.2436,
0.3681


 141.3668, 0.2699,
0.3531

 22.1529, 0.2339,
0.3737


 176.5088, 0.2729,
0.3514

 13.9693, 0.2212,
0.3810

217.0396, 0.2756,
0.3499

 8.0993, 0.2038,
0.3913

263.3436, 0.2779,
0.3486

 4.1586, 0.1785,
0.4063

315.8052, 0.2799,

 1.7626, 0.1314,

0.3474

374.8087, 0.2817,
0.3464

0.4342

0.4637, 0.0000,
0.5348

0.0000, 0.0000,
0.0000

64.4294, 0.2572,
0.3603

64.4294, 0.2572,
0.3603

62.9047, 0.2507,
0.3675

66.3499, 0.2655,
0.3534

61.7379, 0.2461,
0.3749

68.6856, 0.2752,
0.3468


60.8971, 0.2434,
0.3823

71.4635, 0.2862,
0.3407

60.3405, 0.2427,
0.3897

74.7063, 0.2980,
0.3350


 60.0394, 0.2433,
0.3957

 78.4350, 0.3105,
0.3298

 82.6695, 0.3233,
0.3252

 84.0571, 0.3245,
0.3207

 84.3342, 0.3214,
0.3162

 84.6183, 0.3184,
0.3117

Harmonies

Analogous

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



64.4294, 0.3004, 0.4022



64.4294, 0.2572, 0.3603



64.4294, 0.2299, 0.3111

Triad

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



64.4294, 0.2572, 0.3603



64.4294, 0.2717, 0.2522



64.4294, 0.4106, 0.3748

Complementary

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



64.4294, 0.2572, 0.3603



29.9451, 0.4308, 0.3022

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.



64.4294, 0.4029, 0.3361



64.4294, 0.2572, 0.3603



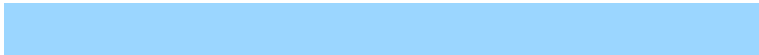
64.4294, 0.3192, 0.2687

Square

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



64.4294, 0.2572, 0.3603



64.4294, 0.2379, 0.2528



64.4294, 0.3684, 0.2984



64.4294, 0.3900, 0.4062

Rectangle

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



64.4294, 0.2572, 0.3603



64.4294, 0.2231, 0.2836



64.4294, 0.3684, 0.2984



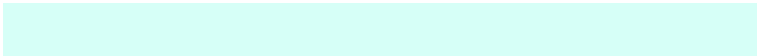
64.4294, 0.4113, 0.3622

Sweetspot

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



64.4319, 0.2572, 0.3603



92.5473, 0.2928, 0.3374



63.0446, 0.3200, 0.4867



19.6284, 0.2903, 0.3386



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.



64.4319, 0.2572, 0.3603



79.3889, 0.2503, 0.3680



48.7043, 0.2370, 0.2840



16.2839, 0.3008, 0.3338



34.0076, 0.2429, 0.3946



2.5257, 0.2400, 0.3838

Inverse Universe

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



29.9451, 0.4308, 0.3022



31.3706, 0.4711, 0.2988



38.1389, 0.4395, 0.3677



14.4153, 0.3261, 0.3243



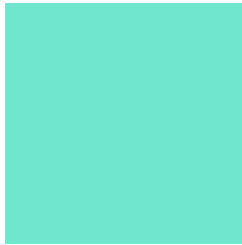
9.6517, 0.6065, 0.3115



0.7264, 0.5667, 0.2895

Previews

White Background



This preview shows how the Yxy color 64.4294, 0.2572, 0.3603 looks on a white background.

Color Contrast Check

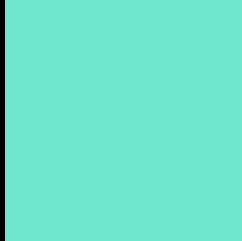
Large Text (above 18pt) WCAG AA × Fail

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 64.4294, 0.2572, 0.3603 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

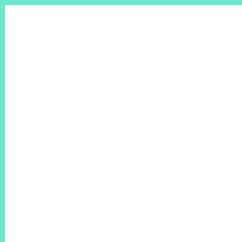
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4294, 0.2572, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 64.4294, 0.2572, 0.3603.



This preview shows how white text looks on a background with the Yxy color 64.4294, 0.2572, 0.3603.

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

64.4294, 0.2572, 0.3603

Protanopia

63.6057, 0.3288, 0.3450

Deuteranopia

63.3254, 0.3249, 0.3180



Tritanopia

64.5324, 0.2437, 0.3068

Trichromacy



Original Color

64.4294, 0.2572, 0.3603



Protanomaly

62.6539, 0.2976, 0.3510



Deuteranomaly

62.0544, 0.2947, 0.3313



Tritanomaly

64.5733, 0.2485, 0.3250

Monochromacy



Original Color

64.4294, 0.2572, 0.3603



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.9604, 0.2875, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4294, 0.2572, 0.3603 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(111, 230, 206)` looks like.

```
.text, #text, p{  
    color:rgb(111, 230, 206)  
}
```

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(111, 230, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 230, 206) }
```

Border

The CSS property to change the border of an element to Yxy 64.4294, 0.2572, 0.3603 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(111, 230, 206) }
```

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

```
.border{ border-color:rgb(111, 230, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 230, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 230, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 230, 206);  
box-shadow:4px 4px 4px 4px rgb(111, 230,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4294, 0.2572, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 230, 206) }
```

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

```
.background{ background-color: rgb(111,  
230, 206) }
```

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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