

Converting Colors

$Yxy(67.0753, 0.2573, 0.4082)$

Have a look what the booklet for
Yxy(67.0753, 0.2573, 0.4082)
contains.

Yxy(67.0753, 0.2573, 0.4082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.0753, 0.2573, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	48F0B6
RGB	72, 240, 182
RGB Percent	28%, 94%, 71%
CMY	0.7173, 0.0588, 0.2863
CMYK	0.70, 0.00, 0.24, 0.06
HSL	159°, 85%, 61%
HSV	159°, 70%, 94%
XYZ	42.2795, 67.0753, 54.9649
YIQ	183.1560, -81.5100, -53.6540

Conversions

Conversions Part 2

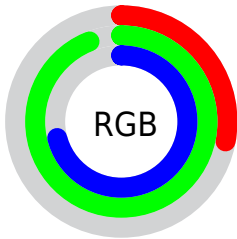
Format	Color
RYB	72, 174, 240
Decimal	4780214
CIELab	85.54, -56.00, 15.83
CIELCh	86, 58.193, 164.220
Yxy	67.0753, 0.2573, 0.4082
Android (android.graphics.Color)	4282970294 (0xFF48F0B6)
YUV	183.1560, -0.5699, -97.4838
Hunter-Lab	81.8995, -51.1761, 17.5386

Details

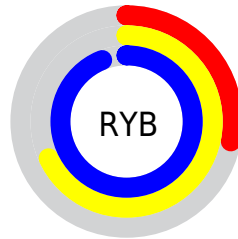
The Yxy color **67.0753, 0.2573, 0.4082** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.7865, 0.4658, 0.2730**, and the grayscale version is **47.4951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2685, 0.2595, 0.3484**, and **35.4520, 0.2522, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **65.9945, 0.2555, 0.4217**, and if you desaturate by 10%, it is **68.5416, 0.2611, 0.3949**.

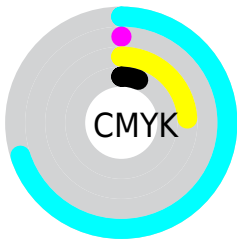
Distribution



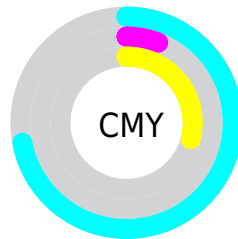
- Red (28%)
- Green (94%)
- Blue (71%)



- Red (28%)
- Yellow (68%)
- Blue (94%)



- Cyan (70%)
- Magenta (0%)
- Yellow (24%)
- Black (6%)




- Cyan (72%)
- Magenta (6%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0753, 0.2573, 0.4082 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 67.0753, 0.2573, 0.4082 by changing the saturation by 10% instead.


 67.0753, 0.2573,
0.4082


 67.0753, 0.2573,
0.4082


450.2128, 0.2841,
0.3691

 49.1458, 0.2509,
0.4178


 115.0283, 0.2668,
0.3941


 34.7352, 0.2428,
0.4300


 145.8206, 0.2705,
0.3888

 23.4589, 0.2324,
0.4460


 181.6693, 0.2736,
0.3842

 14.9328, 0.2183,
0.4679

 222.9588, 0.2763,
0.3804

 8.7722, 0.1986,
0.4994

270.0736, 0.2786,
0.3770

 4.5929, 0.1692,
0.5484

323.3978, 0.2807,

 2.0104, 0.0881,

0.3740

0.6601

383.3161, 0.2825,
0.3714

0.6135, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.0753, 0.2573,
0.4082

67.0753, 0.2573,
0.4082

65.9945, 0.2555,
0.4217

68.5416, 0.2611,
0.3949

65.2464, 0.2558,
0.4351

70.4232, 0.2667,
0.3820

64.7585, 0.2578,
0.4482


72.7558, 0.2740,
0.3697


64.7568, 0.2578,
0.4482


75.5692, 0.2825,
0.3581

 78.8903, 0.2920,
0.3475

 82.7443, 0.3022,
0.3377

 87.1545, 0.3128,
0.3290

 90.3773, 0.3175,
0.3210

 90.7999, 0.3134,
0.3146

Harmonies

Analogous

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



67.0753, 0.3239, 0.4564



67.0753, 0.2573, 0.4082



67.0753, 0.2090, 0.3326

Triad

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



67.0753, 0.2573, 0.4082



67.0753, 0.2294, 0.2191



67.0753, 0.4554, 0.3646

Complementary

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



67.0753, 0.2573, 0.4082



24.7865, 0.4658, 0.2730

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.



67.0753, 0.4259, 0.3115



67.0753, 0.2573, 0.4082



67.0753, 0.2879, 0.2322

Square

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



67.0753, 0.2573, 0.4082



67.0753, 0.1954, 0.2296



67.0753, 0.3613, 0.2649



67.0753, 0.4406, 0.4167

Rectangle

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



67.0753, 0.2573, 0.4082



67.0753, 0.1920, 0.2865



67.0753, 0.3613, 0.2649



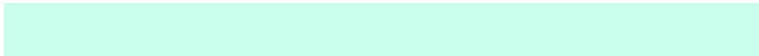
67.0753, 0.4505, 0.3466

Sweetspot

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



67.0780, 0.2573, 0.4082



90.0851, 0.2909, 0.3486



67.6031, 0.3300, 0.5354



19.0470, 0.2882, 0.3515



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.



67.0780, 0.2573, 0.4082



75.3231, 0.2554, 0.4275



56.1785, 0.2247, 0.2959



17.8308, 0.3027, 0.3373



35.4750, 0.2573, 0.4461



2.9698, 0.2524, 0.4288

Inverse Universe

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



24.7865, 0.4658, 0.2730



24.0655, 0.5149, 0.2747



27.5953, 0.5289, 0.3525



15.8490, 0.3239, 0.3209



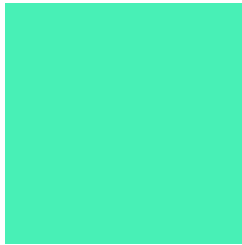
10.5048, 0.5593, 0.2855



0.8920, 0.5227, 0.2653

Previews

White Background



This preview shows how the Yxy color 67.0753, 0.2573, 0.4082 looks on a white background.

Color Contrast Check

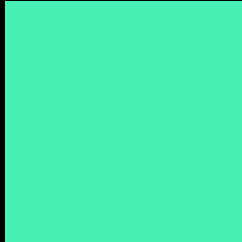
Large Text (above 18pt) WCAG AA × Fail

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 67.0753, 0.2573, 0.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

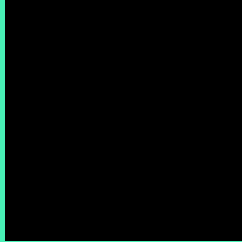
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0753, 0.2573, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 67.0753, 0.2573, 0.4082.

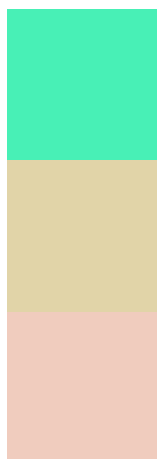


This preview shows how white text looks on a background with the Yxy color 67.0753, 0.2573, 0.4082.

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

67.0753, 0.2573, 0.4082

Protanopia

65.9217, 0.3542, 0.3786

Deuteranopia

65.4287, 0.3516, 0.3442



Tritanopia

66.8787, 0.2345, 0.3056

Trichromacy



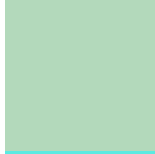
Original Color

67.0753, 0.2573, 0.4082



Protanomaly

63.6947, 0.3071, 0.3910



Deuteranomaly

62.7973, 0.3053, 0.3661



Tritanomaly

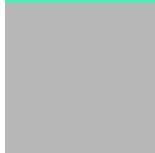
66.5060, 0.2422, 0.3403

Monochromacy



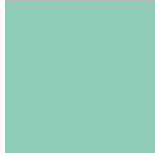
Original Color

67.0753, 0.2573, 0.4082



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.4443, 0.2828, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0753, 0.2573, 0.4082 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(72, 240, 182)` looks like.

```
.text, #text, p{  
    color:rgb(72, 240, 182)  
}
```

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(72, 240, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 240, 182) }
```

Border

The CSS property to change the border of an element to Yxy 67.0753, 0.2573, 0.4082 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(72, 240, 182) }
```

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

```
.border{ border-color:rgb(72, 240, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 240, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 240, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 240, 182);  
box-shadow:4px 4px 4px 4px rgb(72, 240,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0753, 0.2573, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 240, 182) }
```

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

```
.background{ background-color: rgb(72, 240,  
182) }
```

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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