

Converting Colors

$Yxy(61.8961, 0.2747, 0.3759)$

Have a look what the booklet for
Yxy(61.8961, 0.2747, 0.3759)
contains.

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Color

Yxy(61.8107, 0.2744, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	83E0BD
RGB	131, 224, 189
RGB Percent	51%, 88%, 74%
CMY	0.4865, 0.1215, 0.2588
CMYK	0.42, 0.00, 0.16, 0.12
HSL	157°, 60%, 70%
HSV	157°, 42%, 88%
XYZ	45.1928, 61.8107, 57.6933
YIQ	192.2030, -44.1930, -30.6010

Conversions

Conversions Part 2

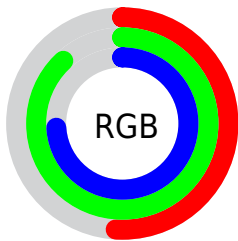
Format	Color
RYB	131, 188, 224
Decimal	8642749
CIELab	82.81, -35.66, 8.53
CIELCh	83, 36.668, 166.553
Yxy	61.8107, 0.2744, 0.3753
Android (android.graphics.Color)	4286832829 (0xFF83E0BD)
YUV	192.2030, -1.5791, -53.6750
Hunter-Lab	78.6198, -34.9779, 11.5253

Details

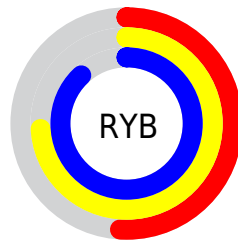
The Yxy color **61.8107, 0.2744, 0.3753** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.8147, 0.3782, 0.2880**, and the grayscale version is **52.8578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8039, 0.2791, 0.3396**, and **31.2787, 0.2641, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **59.8595, 0.2677, 0.3889**, and if you desaturate by 10%, it is **64.1748, 0.2824, 0.3626**.

Distribution



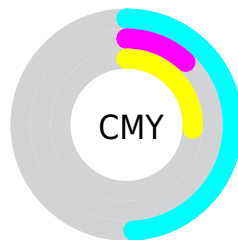
- Red (51%)
- Green (88%)
- Blue (74%)



- Red (51%)
- Yellow (74%)
- Blue (88%)



- Cyan (42%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)





- Cyan (49%)
- Magenta (12%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8107, 0.2744, 0.3753 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 61.8107, 0.2744, 0.3753 by changing the saturation by 10% instead.

 61.8107, 0.2744,
0.3753


 61.8107, 0.2744,
0.3753

431.2403, 0.2929,
0.3526


 44.8798, 0.2700,
0.3809


 107.4519, 0.2810,
0.3671

 31.3627, 0.2643,
0.3879


 136.9309, 0.2835,
0.3640

 20.8752, 0.2571,
0.3972


 171.3615, 0.2857,
0.3614

 13.0328, 0.2472,
0.4099

211.1279, 0.2875,
0.3591

 7.4511, 0.2332,
0.4283

256.6146, 0.2891,
0.3572

 3.7458, 0.2118,
0.4574

308.2059, 0.2906,

 1.5324, 0.1614,

0.3554

0.5180

366.2864, 0.2918,
0.3539

0.3114, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

61.8107, 0.2744,
0.3753

61.8107, 0.2744,
0.3753

59.8595, 0.2677,
0.3889

64.1748, 0.2824,
0.3626

58.2881, 0.2626,
0.4031


66.9674, 0.2914,
0.3508


57.0704, 0.2593,
0.4177


70.2127, 0.3011,
0.3401


56.1739, 0.2581,
0.4324


73.9306, 0.3111,
0.3304


 55.5595, 0.2589,
0.4469

 78.1399, 0.3214,
0.3218

 55.2055, 0.2608,
0.4589

 80.8443, 0.3243,
0.3137

 81.3556, 0.3187,
0.3056

 81.7992, 0.3141,
0.2990

Harmonies

Analogous

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



61.8107, 0.3188, 0.4071



61.8107, 0.2744, 0.3753



61.8107, 0.2418, 0.3294

Triad

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



61.8107, 0.2744, 0.3753



61.8107, 0.2599, 0.2542



61.8107, 0.4058, 0.3593

Complementary

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



61.8107, 0.2744, 0.3753



34.8147, 0.3782, 0.2880

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.



61.8107, 0.3882, 0.3219



61.8107, 0.2744, 0.3753



61.8107, 0.3010, 0.2640

Square

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



61.8107, 0.2744, 0.3753



61.8107, 0.2342, 0.2618



61.8107, 0.3486, 0.2882



61.8107, 0.3961, 0.3926

Rectangle

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



61.8107, 0.2744, 0.3753



61.8107, 0.2302, 0.3003



61.8107, 0.3486, 0.2882



61.8107, 0.4029, 0.3468

Sweetspot

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



61.8132, 0.2744, 0.3753



93.9320, 0.3005, 0.3406



63.1294, 0.3307, 0.4480



19.9760, 0.2992, 0.3420



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.



61.8132, 0.2744, 0.3753



80.5776, 0.2684, 0.3872



57.8688, 0.2538, 0.3149



15.4804, 0.3032, 0.3380



32.1518, 0.2602, 0.4567



2.2458, 0.2541, 0.4347

Inverse Universe

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



34.8147, 0.3782, 0.2880



39.6814, 0.3996, 0.2798



36.7701, 0.4139, 0.3422



13.7854, 0.3233, 0.3202



9.6198, 0.5466, 0.2785



0.6838, 0.5046, 0.2554

Previews

White Background



This preview shows how the Yxy color 61.8107, 0.2744, 0.3753 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 61.8107, 0.2744, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

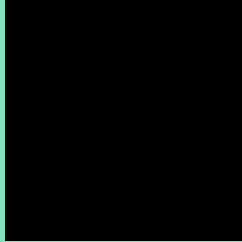
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

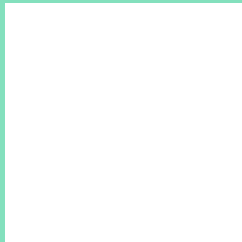
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.8107, 0.2744, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 61.8107, 0.2744, 0.3753.

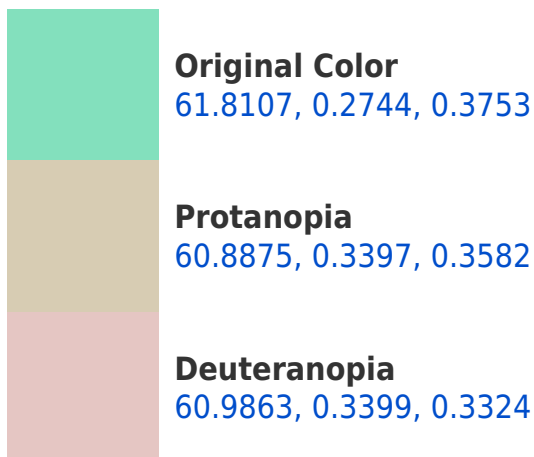


This preview shows how white text looks on a background with the Yxy color 61.8107, 0.2744, 0.3753.

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





Tritanopia

61.8917, 0.2549, 0.3080

Trichromacy



Original Color

61.8107, 0.2744, 0.3753



Protanomaly

60.1978, 0.3118, 0.3637



Deuteranomaly

59.8134, 0.3119, 0.3459



Tritanomaly

61.6516, 0.2619, 0.3314

Monochromacy



Original Color

61.8107, 0.2744, 0.3753



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.4934, 0.2963, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8107, 0.2744, 0.3753 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(131, 224, 189)` looks like.

```
.text, #text, p{  
    color:rgb(131, 224, 189)  
}
```

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(131, 224, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 224, 189) }
```

Border

The CSS property to change the border of an element to Yxy 61.8107, 0.2744, 0.3753 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(131, 224, 189) }
```

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

```
.border{ border-color:rgb(131, 224, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 224, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 224, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 224, 189); box-shadow:4px 4px 4px 4px rgb(131, 224, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8107, 0.2744, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 224, 189) }
```

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

```
.background{ background-color: rgb(131,  
224, 189) }
```

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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