

Converting Colors

$Yxy(61.1309, 0.2725, 0.3743)$

Have a look what the booklet for
Yxy(61.1309, 0.2725, 0.3743)
contains.

Yxy(61.0387, 0.2727, 0.3743)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.0387, 0.2727, 0.3743)

Conversions

Conversions Part 1

Format	Color
Hex	80DFBD
RGB	128, 223, 189
RGB Percent	50%, 87%, 74%
CMY	0.4981, 0.1255, 0.2589
CMYK	0.43, 0.00, 0.15, 0.13
HSL	159°, 60%, 69%
HSV	159°, 43%, 87%
XYZ	44.4704, 61.0387, 57.5652
YIQ	190.7190, -45.7060, -30.7140

Conversions

Conversions Part 2

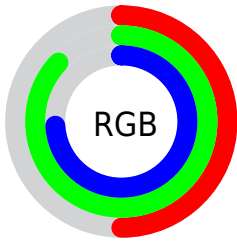
Format	Color
RYB	128, 186, 223
Decimal	8445885
CIELab	82.40, -35.97, 7.93
CIELCh	82, 36.838, 167.562
Yxy	61.0387, 0.2727, 0.3743
Android (android.graphics.Color)	4286635965 (0xFF80DFBD)
YUV	190.7190, -0.8475, -55.0046
Hunter-Lab	78.1273, -35.1198, 11.0034

Details

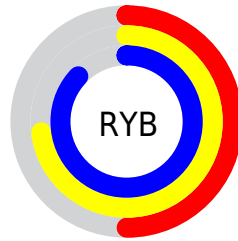
The Yxy color **61.0387, 0.2727, 0.3743** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.7328, 0.3826, 0.2889**, and the grayscale version is **51.9517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4269, 0.2775, 0.3397**, and **30.7927, 0.2621, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **59.1606, 0.2660, 0.3872**, and if you desaturate by 10%, it is **63.3208, 0.2808, 0.3621**.

Distribution



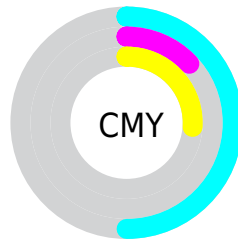
- Red (50%)
- Green (87%)
- Blue (74%)



- Red (50%)
- Yellow (73%)
- Blue (87%)



- Cyan (43%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)




- Cyan (50%)
- Magenta (13%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.0387, 0.2727, 0.3743 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 61.0387, 0.2727, 0.3743 by changing the saturation by 10% instead.


 61.0387, 0.2727,
0.3743

 61.0387, 0.2727,
0.3743


428.4159, 0.2921,
0.3520


 44.2564, 0.2681,
0.3797


 106.3350, 0.2796,
0.3663

 30.8721, 0.2622,
0.3867


 135.6177, 0.2822,
0.3633

 20.5015, 0.2546,
0.3958


 169.8361, 0.2845,
0.3607

 12.7601, 0.2443,
0.4082

209.3745, 0.2864,
0.3585

 7.2636, 0.2297,
0.4263

254.6172, 0.2881,
0.3565

 3.6275, 0.2073,
0.4549

305.9488, 0.2896,

 1.4674, 0.1505,

0.3549

0.5178

363.7536, 0.2909,
0.3534

0.2656, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

61.0387, 0.2727,
0.3743

61.0387, 0.2727,
0.3743

59.1606, 0.2660,
0.3872

63.3208, 0.2808,
0.3621

57.6537, 0.2609,
0.4007

66.0226, 0.2899,
0.3509


56.4919, 0.2577,
0.4146


69.1681, 0.2997,
0.3406

55.6424, 0.2565,
0.4285

72.7771, 0.3100,
0.3313

 55.0658, 0.2574,
0.4423


 76.8683, 0.3205,
0.3229

 54.7675, 0.2590,
0.4523

 80.1489, 0.3261,
0.3153

 80.6260, 0.3208,
0.3076

 81.1242, 0.3155,
0.3000

 81.2603, 0.3142,
0.2980

Harmonies

Analogous

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



61.0387, 0.3172, 0.4072



61.0387, 0.2727, 0.3743



61.0387, 0.2404, 0.3278

Triad

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



61.0387, 0.2727, 0.3743



61.0387, 0.2606, 0.2537



61.0387, 0.4067, 0.3607

Complementary

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



61.0387, 0.2727, 0.3743



33.7328, 0.3826, 0.2889

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.



61.0387, 0.3899, 0.3231



61.0387, 0.2727, 0.3743



61.0387, 0.3025, 0.2641

Square

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



61.0387, 0.2727, 0.3743



61.0387, 0.2341, 0.2606



61.0387, 0.3505, 0.2888



61.0387, 0.3960, 0.3941

Rectangle

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



61.0387, 0.2727, 0.3743



61.0387, 0.2292, 0.2987



61.0387, 0.3505, 0.2888



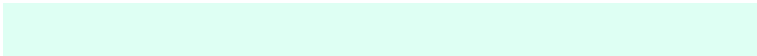
61.0387, 0.4041, 0.3482

Sweetspot

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



61.0412, 0.2727, 0.3743



93.5046, 0.2992, 0.3411



62.1066, 0.3299, 0.4518



19.8010, 0.2970, 0.3433



0.0000, 0.0000, 0.0000



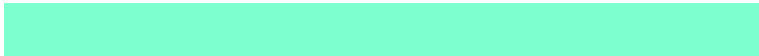
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.0412, 0.2727, 0.3743



80.4509, 0.2667, 0.3856



56.1770, 0.2522, 0.3124



15.4846, 0.3029, 0.3375



32.2217, 0.2584, 0.4503



2.2503, 0.2526, 0.4293

Inverse Universe

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



33.7328, 0.3826, 0.2889



38.8752, 0.4050, 0.2813



36.1952, 0.4168, 0.3444



13.7813, 0.3236, 0.3206



9.5834, 0.5537, 0.2824



0.6810, 0.5110, 0.2588

Previews

White Background



This preview shows how the Yxy color 61.0387, 0.2727, 0.3743 looks on a white background.

Color Contrast Check

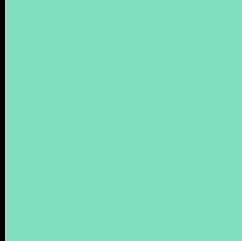
Large Text (above 18pt) WCAG AA × Fail

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 61.0387, 0.2727, 0.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

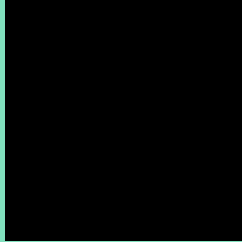
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

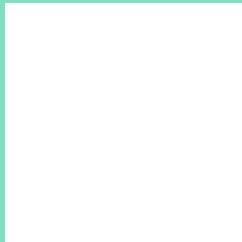
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.0387, 0.2727, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 61.0387, 0.2727, 0.3743.

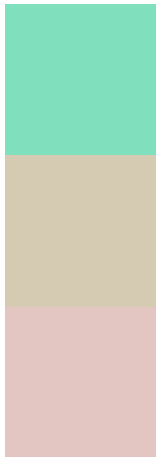


This preview shows how white text looks on a background with the Yxy color 61.0387, 0.2727, 0.3743.

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

61.0387, 0.2727, 0.3743

Protanopia

60.1127, 0.3383, 0.3572

Deuteranopia

60.1584, 0.3392, 0.3324



Tritanopia

61.1417, 0.2542, 0.3079

Trichromacy



Original Color

61.0387, 0.2727, 0.3743



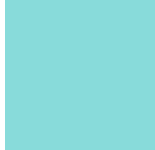
Protanomaly

59.4572, 0.3104, 0.3627



Deuteranomaly

59.0248, 0.3112, 0.3461



Tritanomaly

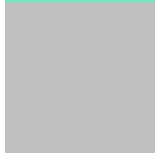
60.9592, 0.2607, 0.3301

Monochromacy



Original Color

61.0387, 0.2727, 0.3743



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.7544, 0.2955, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.0387, 0.2727, 0.3743 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(128, 223, 189)` looks like.

```
.text, #text, p{  
    color:rgb(128, 223, 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(128, 223, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 223, 189) }
```

Border

The CSS property to change the border of an element to Yxy 61.0387, 0.2727, 0.3743 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(128, 223, 189) }
```

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

```
.border{ border-color:rgb(128, 223, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 223, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 223, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 223, 189); box-shadow:4px 4px 4px 4px rgb(128, 223, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 61.0387, 0.2727, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 223, 189) }
```

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

```
.background{ background-color: rgb(128,  
223, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor