

Converting Colors

$Yxy(61.4554, 0.2477, 0.3683)$

Have a look what the booklet for
Yxy(61.4554, 0.2477, 0.3683)
contains.

Yxy(61.2766, 0.2475, 0.3672)	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(61.2766, 0.2475, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	4EE4C8
RGB	78, 228, 200
RGB Percent	31%, 89%, 78%
CMY	0.6947, 0.1058, 0.2157
CMYK	0.66, 0.00, 0.12, 0.11
HSL	169°, 74%, 60%
HSV	169°, 66%, 89%
XYZ	41.3016, 61.2766, 64.2970
YIQ	179.9580, -80.4120, -40.5080

Conversions

Conversions Part 2

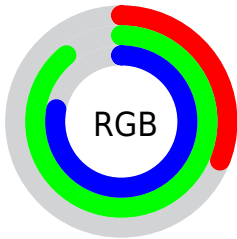
Format	Color
RYB	78, 161, 228
Decimal	5170376
CIELab	82.53, -45.97, 2.08
CIELCh	83, 46.018, 177.407
Yxy	61.2766, 0.2475, 0.3672
Android (android.graphics.Color)	4283360456 (0xFF4EE4C8)
YUV	179.9580, 9.8807, -89.4172
Hunter-Lab	78.2794, -42.8090, 6.0960

Details

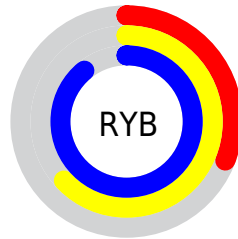
The Yxy color **61.2766, 0.2475, 0.3672** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **22.9619, 0.4887, 0.3008**, and the grayscale version is **45.5763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **31.5804, 0.2381, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **60.2830, 0.2436, 0.3740**, and if you desaturate by 10%, it is **62.6139, 0.2534, 0.3605**.

Distribution



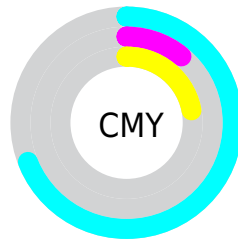
- Red (31%)
- Green (89%)
- Blue (78%)



- Red (31%)
- Yellow (63%)
- Blue (89%)



- Cyan (66%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)




- Cyan (69%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.2766, 0.2475, 0.3672 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 61.2766, 0.2475, 0.3672 by changing the saturation by 10% instead.


 61.2766, 0.2475,
0.3672

 61.2766, 0.2475,
0.3672


429.2874, 0.2785,
0.3489

 44.4484, 0.2403,
0.3715


 106.6793, 0.2584,
0.3607


 31.0232, 0.2312,
0.3770

 136.0227, 0.2626,
0.3582

 20.6165, 0.2197,
0.3840


 170.3065, 0.2662,
0.3561

 12.8440, 0.2044,
0.3933

 209.9153, 0.2693,
0.3543

 7.3212, 0.1834,
0.4063

255.2334, 0.2720,
0.3527

 3.6638, 0.1530,
0.4257

306.6452, 0.2744,

 1.4873, 0.0631,

0.3513

0.4789

364.5351, 0.2765,
0.3500

0.2798, 0.0000,
0.6375

0.0000, 0.0000,
0.0000

61.2766, 0.2475,
0.3672

61.2766, 0.2475,
0.3672

60.2830, 0.2436,
0.3740

62.6139, 0.2534,
0.3605

59.5898, 0.2416,
0.3808


64.3190, 0.2611,
0.3540


59.1545, 0.2415,
0.3875


66.4218, 0.2704,
0.3479

59.0184, 0.2418,
0.3903


68.9472, 0.2810,
0.3420

 71.9182, 0.2927,
0.3366

 75.3558, 0.3052,
0.3317

 79.2800, 0.3181,
0.3272

 82.6974, 0.3276,
0.3231

 82.9448, 0.3248,
0.3189

Harmonies

Analogous

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



61.2766, 0.2982, 0.4181



61.2766, 0.2475, 0.3672



61.2766, 0.2159, 0.3076

Triad

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



61.2766, 0.2475, 0.3672



61.2766, 0.2632, 0.2393



61.2766, 0.4289, 0.3806

Complementary

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



61.2766, 0.2475, 0.3672



22.9619, 0.4887, 0.3008

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.



61.2766, 0.4198, 0.3353



61.2766, 0.2475, 0.3672



61.2766, 0.3189, 0.2582

Square

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



61.2766, 0.2475, 0.3672



61.2766, 0.2246, 0.2398



61.2766, 0.3779, 0.2921



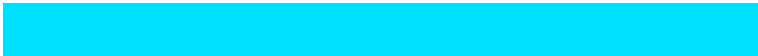
61.2766, 0.4041, 0.4189

Rectangle

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



61.2766, 0.2475, 0.3672



61.2766, 0.2081, 0.2751



61.2766, 0.3779, 0.2921



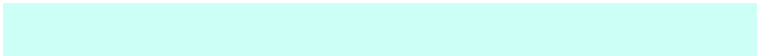
61.2766, 0.4299, 0.3658

Sweetspot

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



61.2790, 0.2475, 0.3672



90.9797, 0.2876, 0.3389



59.2240, 0.3172, 0.5323



19.2441, 0.2843, 0.3404



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.



61.2790, 0.2475, 0.3672



77.3238, 0.2426, 0.3765



41.0687, 0.2202, 0.2655



16.2879, 0.3006, 0.3334



34.0908, 0.2415, 0.3893



2.5312, 0.2387, 0.3794

Inverse Universe

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



22.9619, 0.4887, 0.3008



24.6141, 0.5460, 0.3025



31.1857, 0.4890, 0.3771



14.4117, 0.3263, 0.3246



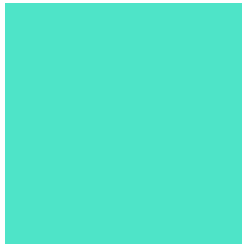
9.6357, 0.6104, 0.3136



0.7247, 0.5714, 0.2922

Previews

White Background



This preview shows how the Yxy color 61.2766, 0.2475, 0.3672 looks on a white background.

Color Contrast Check

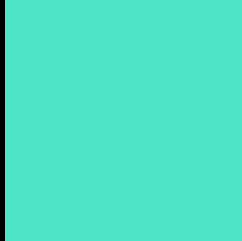
Large Text (above 18pt) WCAG AA × Fail

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 61.2766, 0.2475, 0.3672 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

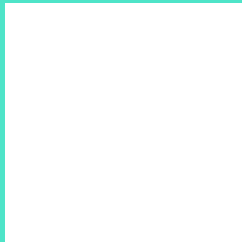
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.2766, 0.2475, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 61.2766, 0.2475, 0.3672.

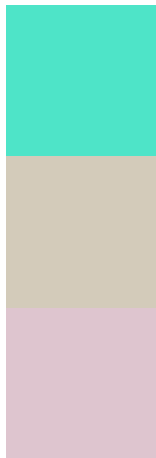


This preview shows how white text looks on a background with the Yxy color 61.2766, 0.2475, 0.3672.

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

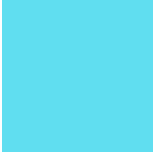
61.2766, 0.2475, 0.3672

Protanopia

60.1059, 0.3314, 0.3490

Deuteranopia

59.9671, 0.3251, 0.3178



Tritanopia

61.0206, 0.2340, 0.3059

Trichromacy



Original Color

61.2766, 0.2475, 0.3672



Protanomaly

58.6351, 0.2916, 0.3559



Deuteranomaly

58.0174, 0.2880, 0.3339



Tritanomaly

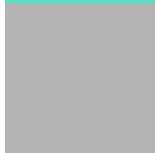
60.8714, 0.2387, 0.3275

Monochromacy



Original Color

61.2766, 0.2475, 0.3672



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.3600, 0.2795, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.2766, 0.2475, 0.3672 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(78, 228, 200)` looks like.

```
.text, #text, p{  
    color:rgb(78, 228, 200)  
}
```

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(78, 228, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 228, 200) }
```

Border

The CSS property to change the border of an element to Yxy 61.2766, 0.2475, 0.3672 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(78, 228, 200) }
```

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

```
.border{ border-color:rgb(78, 228, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 228, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 228, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 228, 200);  
box-shadow:4px 4px 4px 4px rgb(78, 228,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 61.2766, 0.2475, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 228, 200) }
```

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

```
.background{ background-color: rgb(78, 228,  
200) }
```

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