

Converting Colors

$Yxy(61.5434, 0.2821, 0.3916)$

Have a look what the booklet for
Yxy(61.5434, 0.2821, 0.3916)
contains.

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Color

Yxy(61.4722, 0.2822, 0.3919)

Conversions

Conversions Part 1

Format	Color
Hex	85E0B1
RGB	133, 224, 177
RGB Percent	52%, 88%, 69%
CMY	0.4784, 0.1216, 0.3059
CMYK	0.41, 0.00, 0.21, 0.12
HSL	149°, 59%, 70%
HSV	149°, 41%, 88%
XYZ	44.2650, 61.4722, 51.1196
YIQ	191.4330, -39.1490, -33.9090

Conversions

Conversions Part 2

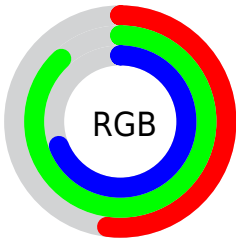
Format	Color
RYB	133, 194, 224
Decimal	8773809
CIELab	82.63, -37.57, 14.61
CIElCh	83, 40.314, 158.750
Yxy	61.4722, 0.2822, 0.3919
Android (android.graphics.Color)	4286963889 (0xFF85E0B1)
YUV	191.4330, -7.1155, -51.2457
Hunter-Lab	78.4042, -36.4308, 16.2258

Details

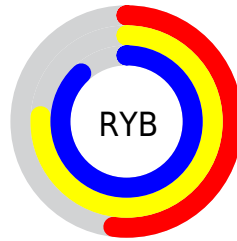
The Yxy color **61.4722, 0.2822, 0.3919** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.9243, 0.3618, 0.2744**, and the grayscale version is **52.4268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2220, 0.2858, 0.3528**, and **31.0802, 0.2740, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **59.3993, 0.2767, 0.4109**, and if you desaturate by 10%, it is **63.9781, 0.2888, 0.3741**.

Distribution



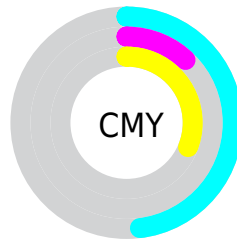
- Red (52%)
- Green (88%)
- Blue (69%)



- Red (52%)
- Yellow (76%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (21%)
- Black (12%)




- Cyan (48%)
- Magenta (12%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4722, 0.2822, 0.3919 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 61.4722, 0.2822, 0.3919 by changing the saturation by 10% instead.


 61.4722, 0.2822,
0.3919


 61.4722, 0.2822,
0.3919

430.0032, 0.2974,
0.3606


 44.6064, 0.2784,
0.3997


 106.9623, 0.2877,
0.3806

 31.1475, 0.2737,
0.4096


 136.3554, 0.2898,
0.3763

 20.7112, 0.2673,
0.4227


 170.6931, 0.2915,
0.3727

 12.9130, 0.2586,
0.4409

210.3597, 0.2930,
0.3696

 7.3687, 0.2457,
0.4676

255.7396, 0.2943,
0.3669

 3.6937, 0.2253,
0.5104

307.2172, 0.2955,

 1.5038, 0.1704,

0.3645

0.6222

365.1770, 0.2965,
0.3624

■ 0.2914, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.4722, 0.2822,
0.3919

■ 61.4722, 0.2822,
0.3919

■ 59.3993, 0.2767,
0.4109

■ 63.9781, 0.2888,
0.3741

■ 57.7259, 0.2726,
0.4309


■ 66.9330, 0.2962,
0.3578


■ 56.4257, 0.2703,
0.4513


■ 70.3614, 0.3041,
0.3430

■ 55.4658, 0.2699,
0.4716

■ 74.2837, 0.3122,
0.3298

 54.8071, 0.2716,
0.4912

 78.7191, 0.3204,
0.3180

 54.4010, 0.2746,
0.5085

 81.2537, 0.3197,
0.3071

 81.7929, 0.3141,
0.2989

Harmonies

Analogous

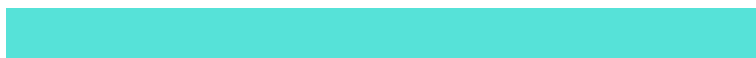
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.4722, 0.3323, 0.4200



61.4722, 0.2822, 0.3919



61.4722, 0.2424, 0.3427

Triad

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



61.4722, 0.2822, 0.3919



61.4722, 0.2456, 0.2475



61.4722, 0.4131, 0.3509

Complementary

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



61.4722, 0.2822, 0.3919



35.9243, 0.3618, 0.2744

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.



61.4722, 0.3863, 0.3107



61.4722, 0.2822, 0.3919



61.4722, 0.2867, 0.2537

Square

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



61.4722, 0.2822, 0.3919



61.4722, 0.2230, 0.2606



61.4722, 0.3385, 0.2763



61.4722, 0.4098, 0.3896

Rectangle

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



61.4722, 0.2822, 0.3919



61.4722, 0.2262, 0.3088



61.4722, 0.3385, 0.2763



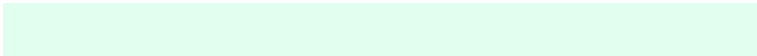
61.4722, 0.4073, 0.3373

Sweetspot

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



61.4747, 0.2822, 0.3919



93.6744, 0.3029, 0.3451



64.8964, 0.3405, 0.4413



19.9154, 0.3019, 0.3470



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.



61.4747, 0.2822, 0.3919



80.0065, 0.2773, 0.4085



63.5198, 0.2586, 0.3327



15.4471, 0.3050, 0.3414



31.6874, 0.2738, 0.5057



2.2144, 0.2658, 0.4769

Inverse Universe

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



35.9243, 0.3618, 0.2744



41.1614, 0.3774, 0.2631



34.4067, 0.4125, 0.3257



13.8182, 0.3212, 0.3169



9.9782, 0.4881, 0.2463



0.7097, 0.4554, 0.2282

Previews

White Background



This preview shows how the Yxy color 61.4722, 0.2822, 0.3919 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 61.4722, 0.2822, 0.3919 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 61.4722, 0.2822, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 61.4722, 0.2822, 0.3919.

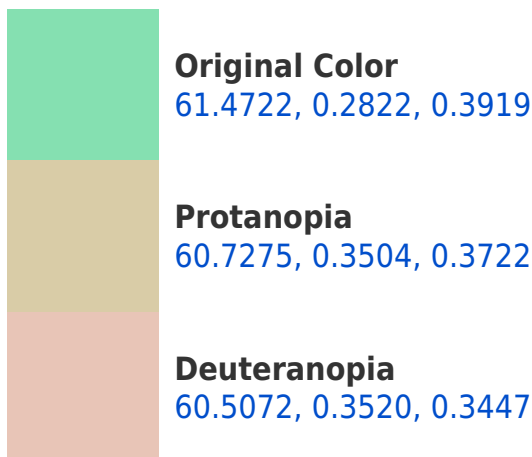


This preview shows how white text looks on a background with the Yxy color 61.4722, 0.2822, 0.3919.

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

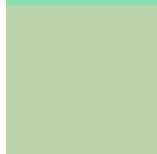
61.1632, 0.2571, 0.3068

Trichromacy



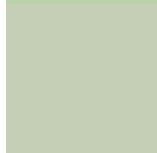
Original Color

61.4722, 0.2822, 0.3919



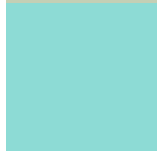
Protanomaly

59.9679, 0.3215, 0.3789



Deuteranomaly

59.6976, 0.3227, 0.3606



Tritanomaly

61.1299, 0.2660, 0.3365

Monochromacy



Original Color

61.4722, 0.2822, 0.3919



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.8031, 0.2997, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4722, 0.2822, 0.3919 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(133, 224, 177)` looks like.

```
.text, #text, p{  
    color:rgb(133, 224, 177)  
}
```

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(133, 224, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 224, 177) }
```

Border

The CSS property to change the border of an element to Yxy 61.4722, 0.2822, 0.3919 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(133, 224, 177) }
```

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

```
.border{ border-color:rgb(133, 224, 177) }
```

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

Here you see how a box with a 4 pixel rgb(133, 224, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 224, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 224, 177);  
box-shadow:4px 4px 4px 4px rgb(133, 224,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4722, 0.2822, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 224, 177) }
```

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

```
.background{ background-color: rgb(133,  
224, 177) }
```

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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