

Converting Colors

$Yxy(60.5436, 0.2787, 0.4033)$

Have a look what the booklet for
Yxy(60.5436, 0.2787, 0.4033)
contains.

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Color

Yxy(60.7458, 0.2791, 0.4044)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 78E1AA |
| RGB | 120, 225, 170 |
| RGB Percent | 47%, 88%, 67% |
| CMY | 0.5295, 0.1176, 0.3334 |
| CMYK | 0.47, 0.00, 0.24, 0.12 |
| HSL | 149°, 64%, 68% |
| HSV | 149°, 47%, 88% |
| XYZ | 41.9242, 60.7458, 47.5422 |
| YIQ | 187.3350, -44.9250, -39.3650 |

Conversions

Conversions Part 2

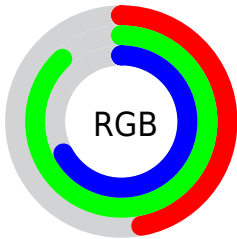
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 120, 191, 225 |
| Decimal | 7922090 |
| CIELab | 82.24, -42.85, 17.65 |
| CIELCh | 82, 46.342, 157.608 |
| Yxy | 60.7458, 0.2791, 0.4044 |
| Android (android.graphics.Color) | 4286112170 (0xFF78E1AA) |
| YUV | 187.3350, -8.5462, -59.0528 |
| Hunter-Lab | 77.9396, -40.3780, 18.3916 |

Details

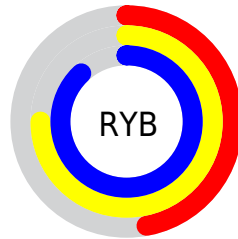
The Yxy color **60.7458, 0.2791, 0.4044** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.5327, 0.3716, 0.2656**, and the grayscale version is **49.9600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3034, 0.2834, 0.3624**, and **30.7081, 0.2693, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **58.8981, 0.2745, 0.4243**, and if you desaturate by 10%, it is **63.0164, 0.2850, 0.3855**.

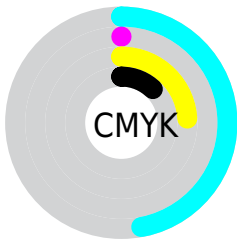
Distribution



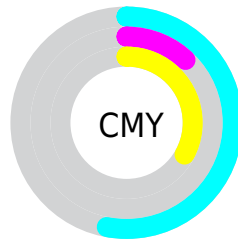
- Red (47%)
- Green (88%)
- Blue (67%)



- Red (47%)
- Yellow (75%)
- Blue (88%)



- Cyan (47%)
- Magenta (0%)
- Yellow (24%)
- Black (12%)



- Cyan (53%)
- Magenta (12%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.7458, 0.2791, 0.4044 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 60.7458, 0.2791, 0.4044 by changing the saturation by 10% instead.

 60.7458, 0.2791,
0.4044


 60.7458, 0.2791,
0.4044


427.3413, 0.2960,
0.3665

 44.0201, 0.2748,
0.4139


 105.9108, 0.2853,
0.3906

 30.6863, 0.2694,
0.4260


 135.1188, 0.2876,
0.3854

 20.3601, 0.2621,
0.4422


 169.2564, 0.2895,
0.3811

 12.6571, 0.2519,
0.4647

208.7079, 0.2912,
0.3773

 7.1928, 0.2369,
0.4980

253.8578, 0.2927,
0.3741

 3.5830, 0.2125,
0.5516

305.0904, 0.2939,

 1.4431, 0.1257,

0.3712

0.7490

362.7901, 0.2950,
0.3687

■ 0.2482, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.7458, 0.2791,
0.4044

■ 60.7458, 0.2791,
0.4044

■ 58.8981, 0.2745,
0.4243

■ 63.0164, 0.2850,
0.3855

■ 57.4379, 0.2715,
0.4449


■ 65.7276, 0.2919,
0.3681

■ 56.3362, 0.2704,
0.4656


■ 68.9053, 0.2994,
0.3521

■ 55.5563, 0.2713,
0.4858


■ 72.5710, 0.3074,
0.3377

 55.0517, 0.2741,
0.5048

 76.7447, 0.3154,
0.3249

 54.9189, 0.2752,
0.5109

 81.4457, 0.3234,
0.3136

 82.1741, 0.3157,
0.3023

 82.3343, 0.3141,
0.2999

Harmonies

Analogous

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



60.7458, 0.3365, 0.4356



60.7458, 0.2791, 0.4044



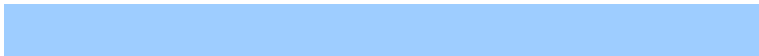
60.7458, 0.2335, 0.3466

Triad

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



60.7458, 0.2791, 0.4044



60.7458, 0.2347, 0.2365



60.7458, 0.4281, 0.3510

Complementary

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



60.7458, 0.2791, 0.4044



32.5327, 0.3716, 0.2656

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.



60.7458, 0.3960, 0.3059



60.7458, 0.2791, 0.4044



60.7458, 0.2804, 0.2430

Square

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



60.7458, 0.2791, 0.4044



60.7458, 0.2103, 0.2514



60.7458, 0.3398, 0.2677



60.7458, 0.4249, 0.3955

Rectangle

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



60.7458, 0.2791, 0.4044



60.7458, 0.2149, 0.3070



60.7458, 0.3398, 0.2677



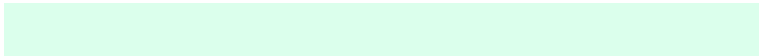
60.7458, 0.4211, 0.3356

Sweetspot

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



60.7483, 0.2791, 0.4044



92.7002, 0.3015, 0.3482



64.4396, 0.3436, 0.4592



19.6260, 0.2998, 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.



60.7483, 0.2791, 0.4044



78.2813, 0.2746, 0.4238



63.0937, 0.2524, 0.3333



15.4454, 0.3051, 0.3415



31.6678, 0.2745, 0.5081



2.2130, 0.2664, 0.4790

Inverse Universe

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



32.5327, 0.3716, 0.2656



36.4804, 0.3901, 0.2540



30.8800, 0.4358, 0.3253



13.8199, 0.3210, 0.3168



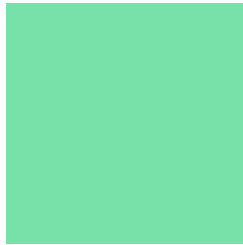
9.9999, 0.4851, 0.2446



0.7112, 0.4529, 0.2269

Previews

White Background



This preview shows how the Yxy color 60.7458, 0.2791, 0.4044 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 60.7458, 0.2791, 0.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

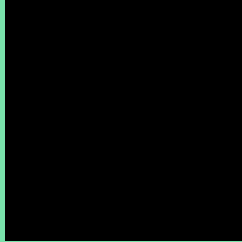
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.7458, 0.2791, 0.4044

Background



This preview shows how black text looks on a background with the Yxy color 60.7458, 0.2791, 0.4044.



This preview shows how white text looks on a background with the Yxy color 60.7458, 0.2791, 0.4044.

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

60.7458, 0.2791, 0.4044

Protanopia

60.0017, 0.3560, 0.3793

Deuteranopia

59.9381, 0.3588, 0.3515



Tritanopia

60.8005, 0.2522, 0.3077

Trichromacy



Original Color

60.7458, 0.2791, 0.4044



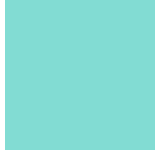
Protanomaly

59.2140, 0.3233, 0.3884



Deuteranomaly

58.8881, 0.3246, 0.3697



Tritanomaly

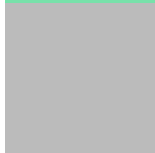
60.6354, 0.2615, 0.3405

Monochromacy



Original Color

60.7458, 0.2791, 0.4044



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.8960, 0.2979, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.7458, 0.2791, 0.4044 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(120, 225, 170)` looks like.

```
.text, #text, p{  
    color:rgb(120, 225, 170)  
}
```

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(120, 225, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 225, 170) }
```

Border

The CSS property to change the border of an element to Yxy 60.7458, 0.2791, 0.4044 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(120, 225, 170) }
```

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

```
.border{ border-color:rgb(120, 225, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 225, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 225, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 225, 170);  
box-shadow:4px 4px 4px 4px rgb(120, 225,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 60.7458, 0.2791, 0.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 225, 170) }
```

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

```
.background{ background-color: rgb(120,  
225, 170) }
```

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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