

Converting Colors

$Yxy(62.5651, 0.2829, 0.4206)$

Have a look what the booklet for
Yxy(62.5651, 0.2829, 0.4206)
contains.

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Color

Yxy(62.4988, 0.2828, 0.4207)

Conversions

Conversions Part 1

Format	Color
Hex	76E5A2
RGB	118, 229, 162
RGB Percent	46%, 90%, 64%
CMY	0.5373, 0.1019, 0.3646
CMYK	0.48, 0.00, 0.29, 0.10
HSL	144°, 68%, 68%
HSV	144°, 48%, 90%
XYZ	42.0125, 62.4988, 44.0478
YIQ	188.1730, -44.6490, -44.3690

Conversions

Conversions Part 2

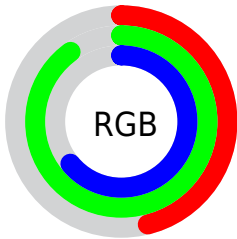
Format	Color
RYB	118, 197, 229
Decimal	7792034
CIELab	83.18, -46.62, 23.08
CIELCh	83, 52.016, 153.660
Yxy	62.4988, 0.2828, 0.4207
Android (android.graphics.Color)	4285982114 (0xFF76E5A2)
YUV	188.1730, -12.9033, -61.5417
Hunter-Lab	79.0562, -43.4888, 22.3047

Details

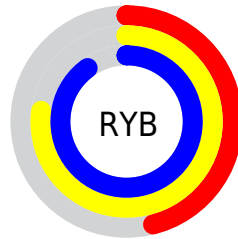
The Yxy color **62.4988, 0.2828, 0.4207** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.1119, 0.3646, 0.2539**, and the grayscale version is **50.4867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7599, 0.2870, 0.3718**, and **31.9125, 0.2735, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **60.6236, 0.2791, 0.4440**, and if you desaturate by 10%, it is **64.8222, 0.2877, 0.3985**.

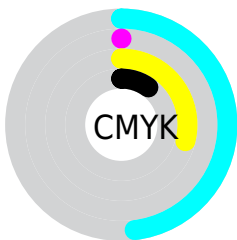
Distribution



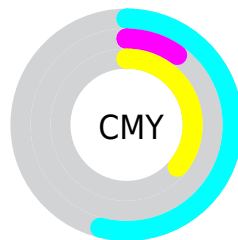
- Red (46%)
- Green (90%)
- Blue (64%)



- Red (46%)
- Yellow (77%)
- Blue (90%)



- Cyan (48%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)





- Cyan (54%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.4988, 0.2828, 0.4207 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 62.4988, 0.2828, 0.4207 by changing the saturation by 10% instead.

 62.4988, 0.2828,
0.4207


 62.4988, 0.2828,
0.4207


433.7482, 0.2983,
0.3745


 45.4359, 0.2788,
0.4323

 108.4461, 0.2886,
0.4039

 31.8009, 0.2735,
0.4471


 138.0993, 0.2907,
0.3976

 21.2095, 0.2665,
0.4669

 172.7180, 0.2925,
0.3922

 13.2772, 0.2564,
0.4942

212.6866, 0.2940,
0.3877

 7.6197, 0.2412,
0.5345

258.3895, 0.2953,
0.3837

 3.8526, 0.2158,
0.5983

310.2112, 0.2964,

 1.5914, 0.1351,

0.3802

0.8649

368.5360, 0.2974,
0.3772

■ 0.3518, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.4988, 0.2828,
0.4207

■ 62.4988, 0.2828,
0.4207

■ 60.6236, 0.2791,
0.4440

■ 64.8222, 0.2877,
0.3985

■ 59.1585, 0.2770,
0.4678

■ 67.6135, 0.2936,
0.3778

■ 58.0717, 0.2768,
0.4911

■ 70.9006, 0.3001,
0.3589


■ 57.3228, 0.2784,
0.5132


■ 74.7066, 0.3069,
0.3419

 56.8534, 0.2817,
0.5332

 79.0534, 0.3138,
0.3268

 56.7943, 0.2822,
0.5360

 83.8886, 0.3204,
0.3135

 84.5212, 0.3139,
0.3039

Harmonies

Analogous

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



62.4988, 0.3465, 0.4496



62.4988, 0.2828, 0.4207



62.4988, 0.2304, 0.3574

Triad

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



62.4988, 0.2828, 0.4207



62.4988, 0.2219, 0.2281



62.4988, 0.4385, 0.3454

Complementary

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



62.4988, 0.2828, 0.4207



33.1119, 0.3646, 0.2539

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.



62.4988, 0.3981, 0.2970



62.4988, 0.2828, 0.4207



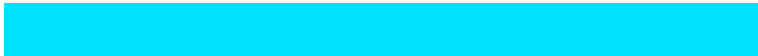
62.4988, 0.2689, 0.2326

Square

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



62.4988, 0.2828, 0.4207



62.4988, 0.1987, 0.2470



62.4988, 0.3334, 0.2572



62.4988, 0.4395, 0.3950

Rectangle

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



62.4988, 0.2828, 0.4207



62.4988, 0.2080, 0.3120



62.4988, 0.3334, 0.2572



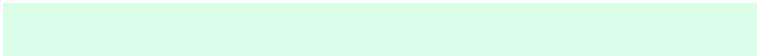
62.4988, 0.4290, 0.3288

Sweetspot

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



62.5014, 0.2828, 0.4207



92.0555, 0.3023, 0.3530



67.8437, 0.3513, 0.4615



19.4914, 0.3009, 0.3567



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.



62.5014, 0.2828, 0.4207



77.3974, 0.2792, 0.4437



64.8520, 0.2551, 0.3454



16.1834, 0.3062, 0.3435



32.4929, 0.2814, 0.5331



2.4190, 0.2733, 0.5038

Inverse Universe

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



33.1119, 0.3646, 0.2539



35.7960, 0.3802, 0.2408



31.2482, 0.4316, 0.3145



14.5133, 0.3198, 0.3149



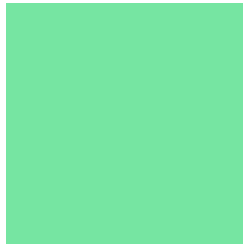
10.5999, 0.4523, 0.2265



0.8015, 0.4280, 0.2131

Previews

White Background



This preview shows how the Yxy color 62.4988, 0.2828, 0.4207 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 62.4988, 0.2828, 0.4207 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 62.4988, 0.2828, 0.4207

Background



This preview shows how black text looks on a background with the Yxy color 62.4988, 0.2828, 0.4207.



This preview shows how white text looks on a background with the Yxy color 62.4988, 0.2828, 0.4207.

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

62.4988, 0.2828, 0.4207

Protanopia

61.7818, 0.3644, 0.3912

Deuteranopia

61.6035, 0.3689, 0.3610



Tritanopia

62.0958, 0.2516, 0.3067

Trichromacy



Original Color

62.4988, 0.2828, 0.4207



Protanomaly

60.6838, 0.3298, 0.4018



Deuteranomaly

59.9562, 0.3323, 0.3818



Tritanomaly

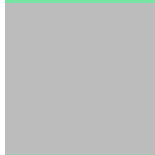
62.1743, 0.2625, 0.3456

Monochromacy



Original Color

62.4988, 0.2828, 0.4207



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.7531, 0.2993, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4988, 0.2828, 0.4207 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(118, 229, 162)` looks like.

```
.text, #text, p{  
    color:rgb(118, 229, 162)  
}
```

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(118, 229, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 229, 162) }
```

Border

The CSS property to change the border of an element to Yxy 62.4988, 0.2828, 0.4207 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(118, 229, 162) }
```

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

```
.border{ border-color:rgb(118, 229, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 229, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 229, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 229, 162); box-shadow:4px 4px 4px 4px rgb(118, 229, 162) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4988, 0.2828, 0.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 229, 162) }
```

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

```
.background{ background-color: rgb(118,  
229, 162) }
```

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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