

Converting Colors

$Yxy(62.6125, 0.2809, 0.4210)$

Have a look what the booklet for
Yxy(62.6125, 0.2809, 0.4210)
contains.

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Color

Yxy(62.8828, 0.2809, 0.4208)

Conversions

Conversions Part 1

Format	Color
Hex	73E6A3
RGB	115, 230, 163
RGB Percent	45%, 90%, 64%
CMY	0.5491, 0.0980, 0.3608
CMYK	0.50, 0.00, 0.29, 0.10
HSL	145°, 70%, 68%
HSV	145°, 50%, 90%
XYZ	41.9767, 62.8828, 44.5769
YIQ	187.9770, -47.0330, -45.2170

Conversions

Conversions Part 2

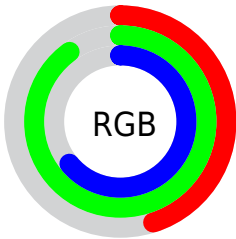
Format	Color
RYB	115, 196, 230
Decimal	7595683
CIELab	83.38, -47.60, 22.84
CIELCh	83, 52.793, 154.366
Yxy	62.8828, 0.2809, 0.4208
Android (android.graphics.Color)	4285785763 (0xFF73E6A3)
YUV	187.9770, -12.3137, -64.0008
Hunter-Lab	79.2987, -44.2839, 22.1799

Details

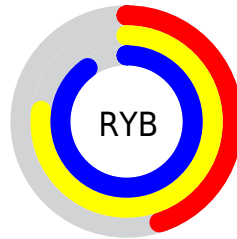
The Yxy color **62.8828, 0.2809, 0.4208** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.4595, 0.3697, 0.2542**, and the grayscale version is **50.3665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4662, 0.2848, 0.3708**, and **32.2041, 0.2714, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **61.0608, 0.2773, 0.4434**, and if you desaturate by 10%, it is **65.1497, 0.2859, 0.3992**.

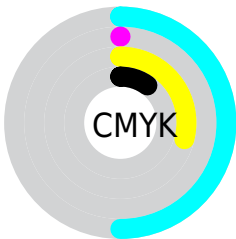
Distribution



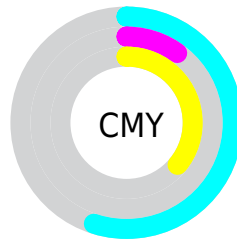
- Red (45%)
- Green (90%)
- Blue (64%)



- Red (45%)
- Yellow (77%)
- Blue (90%)



- Cyan (50%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)





- Cyan (55%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8828, 0.2809, 0.4208 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 62.8828, 0.2809, 0.4208 by changing the saturation by 10% instead.


 62.8828, 0.2809,
0.4208

 62.8828, 0.2809,
0.4208

435.1440, 0.2973,
0.3746

 45.7464, 0.2767,
0.4324


 109.0004, 0.2870,
0.4040

 32.0457, 0.2712,
0.4472


 138.7504, 0.2892,
0.3977

 21.3964, 0.2638,
0.4669


 173.4737, 0.2911,
0.3923

 13.4141, 0.2534,
0.4942

213.5548, 0.2927,
0.3878

 7.7143, 0.2377,
0.5344

259.3779, 0.2941,
0.3838

 3.9127, 0.2118,
0.5980

311.3276, 0.2953,

 1.6248, 0.1304,

0.3803

0.8611

369.7882, 0.2964,
0.3773

■ 0.3743, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.8828, 0.2809,
0.4208

■ 62.8828, 0.2809,
0.4208

■ 61.0608, 0.2773,
0.4434

■ 65.1497, 0.2859,
0.3992

■ 59.6451, 0.2753,
0.4664

■ 67.8818, 0.2918,
0.3790


■ 58.6027, 0.2753,
0.4890

■ 71.1072, 0.2985,
0.3605

■ 57.8919, 0.2771,
0.5104

■ 74.8497, 0.3055,
0.3439

 57.4418, 0.2805,
0.5299

 79.1312, 0.3127,
0.3290

 83.9728, 0.3199,
0.3159

 85.0769, 0.3138,
0.3048

Harmonies

Analogous

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



62.8828, 0.3453, 0.4511



62.8828, 0.2809, 0.4208



62.8828, 0.2284, 0.3560

Triad

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



62.8828, 0.2809, 0.4208



62.8828, 0.2217, 0.2268



62.8828, 0.4406, 0.3466

Complementary

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



62.8828, 0.2809, 0.4208



32.4595, 0.3697, 0.2542

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.



62.8828, 0.4005, 0.2976



62.8828, 0.2809, 0.4208



62.8828, 0.2697, 0.2319

Square

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



62.8828, 0.2809, 0.4208



62.8828, 0.1977, 0.2452



62.8828, 0.3353, 0.2572



62.8828, 0.4406, 0.3967

Rectangle

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



62.8828, 0.2809, 0.4208



62.8828, 0.2062, 0.3102



62.8828, 0.3353, 0.2572



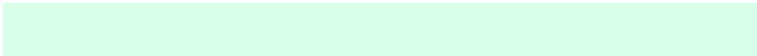
62.8828, 0.4314, 0.3298

Sweetspot

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



62.8854, 0.2809, 0.4208



92.1005, 0.3019, 0.3521



67.7894, 0.3494, 0.4671



19.5022, 0.3004, 0.3557



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.



62.8854, 0.2809, 0.4208



77.0933, 0.2772, 0.4442



65.4305, 0.2520, 0.3410



16.1885, 0.3059, 0.3430



32.5416, 0.2797, 0.5269



2.4229, 0.2716, 0.4979

Inverse Universe

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



32.4595, 0.3697, 0.2542



34.5299, 0.3874, 0.2414



30.5523, 0.4425, 0.3186



14.5081, 0.3202, 0.3154



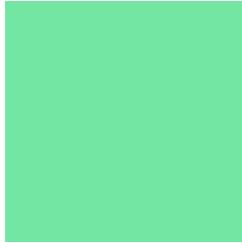
10.5233, 0.4608, 0.2312



0.7961, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 62.8828, 0.2809, 0.4208 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 62.8828, 0.2809, 0.4208 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 62.8828, 0.2809, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 62.8828, 0.2809, 0.4208.



This preview shows how white text looks on a background with the Yxy color 62.8828, 0.2809, 0.4208.

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

62.8828, 0.2809, 0.4208

Protanopia

61.7818, 0.3644, 0.3912

Deuteranopia

61.6412, 0.3681, 0.3599



Tritanopia

62.5103, 0.2503, 0.3067

Trichromacy



Original Color

62.8828, 0.2809, 0.4208



Protanomaly

60.9463, 0.3281, 0.4032



Deuteranomaly

60.3525, 0.3307, 0.3818



Tritanomaly

62.6037, 0.2612, 0.3456

Monochromacy



Original Color

62.8828, 0.2809, 0.4208



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.5436, 0.2978, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8828, 0.2809, 0.4208 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(115, 230, 163)` looks like.

```
.text, #text, p{  
    color:rgb(115, 230, 163)  
}
```

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(115, 230, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 230, 163) }
```

Border

The CSS property to change the border of an element to Yxy 62.8828, 0.2809, 0.4208 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(115, 230, 163) }
```

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

```
.border{ border-color:rgb(115, 230, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 230, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 230, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 230, 163); box-shadow:4px 4px 4px 4px rgb(115, 230, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8828, 0.2809, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 230, 163) }
```

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

```
.background{ background-color: rgb(115,  
230, 163) }
```

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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