

Converting Colors

$Yxy(63.2877, 0.2923, 0.4263)$

Have a look what the booklet for
Yxy(63.2877, 0.2923, 0.4263)
contains.

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Color

Yxy(63.2188, 0.2920, 0.4262)

Conversions

Conversions Part 1

Format	Color
Hex	82E59D
RGB	130, 229, 157
RGB Percent	51%, 90%, 62%
CMY	0.4900, 0.1020, 0.3845
CMYK	0.43, 0.00, 0.31, 0.10
HSL	136°, 66%, 70%
HSV	136°, 43%, 90%
XYZ	43.3127, 63.2188, 41.7998
YIQ	191.1910, -35.8920, -43.3800

Conversions

Conversions Part 2

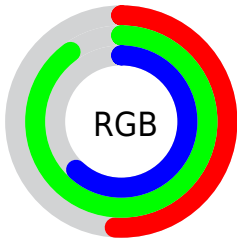
Format	Color
RYB	130, 208, 229
Decimal	8578461
CIELab	83.56, -44.36, 26.29
CIELCh	84, 51.569, 149.344
Yxy	63.2188, 0.2920, 0.4262
Android (android.graphics.Color)	4286768541 (0xFF82E59D)
YUV	191.1910, -16.8562, -53.6645
Hunter-Lab	79.5103, -41.9061, 24.4875

Details

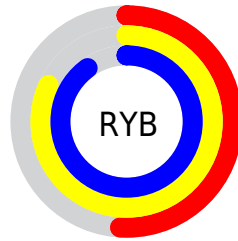
The Yxy color **63.2188, 0.2920, 0.4262** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.9024, 0.3439, 0.2489**, and the grayscale version is **52.3370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8383, 0.2957, 0.3768**, and **32.3235, 0.2847, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **61.0759, 0.2887, 0.4538**, and if you desaturate by 10%, it is **65.8476, 0.2962, 0.4001**.

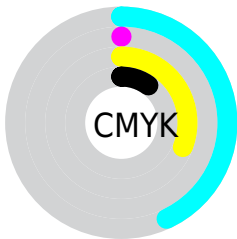
Distribution



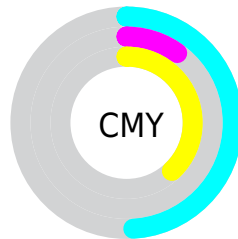
- Red (51%)
- Green (90%)
- Blue (62%)



- Red (51%)
- Yellow (82%)
- Blue (90%)



- Cyan (43%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)





- Cyan (49%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2188, 0.2920, 0.4262 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 63.2188, 0.2920, 0.4262 by changing the saturation by 10% instead.

 63.2188, 0.2920,
0.4262


 63.2188, 0.2920,
0.4262


436.3631, 0.3033,
0.3773


 46.0182, 0.2889,
0.4384


 109.4851, 0.2963,
0.4084

 32.2602, 0.2848,
0.4541


 139.3197, 0.2979,
0.4017

 21.5603, 0.2791,
0.4748


 174.1343, 0.2992,
0.3961

 13.5342, 0.2708,
0.5035

214.3135, 0.3003,
0.3912

 7.7974, 0.2578,
0.5453

260.2415, 0.3012,
0.3870

 3.9656, 0.2350,
0.6107

312.3029, 0.3020,

 1.6543, 0.1720,

0.3834

0.8280

370.8820, 0.3027,
0.3802

■ 0.3938, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2188, 0.2920,
0.4262

■ 63.2188, 0.2920,
0.4262

■ 61.0759, 0.2887,
0.4538

■ 65.8476, 0.2962,
0.4001

■ 59.3809, 0.2865,
0.4818

■ 68.9819, 0.3009,
0.3759

■ 58.1028, 0.2858,
0.5092

■ 72.6498, 0.3060,
0.3541

■ 57.2028, 0.2867,
0.5343

■ 76.8749, 0.3111,
0.3347

 56.6347, 0.2891,
0.5559

 81.6794, 0.3161,
0.3177

 56.3904, 0.2912,
0.5682

 84.5194, 0.3139,
0.3039

Harmonies

Analogous

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



63.2188, 0.3552, 0.4484



63.2188, 0.2920, 0.4262



63.2188, 0.2376, 0.3670

Triad

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



63.2188, 0.2920, 0.4262



63.2188, 0.2181, 0.2304



63.2188, 0.4334, 0.3382

Complementary

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



63.2188, 0.2920, 0.4262



36.9024, 0.3439, 0.2489

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.



63.2188, 0.3888, 0.2910



63.2188, 0.2920, 0.4262



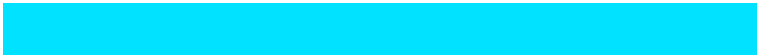
63.2188, 0.2614, 0.2317

Square

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



63.2188, 0.2920, 0.4262



63.2188, 0.1987, 0.2528



63.2188, 0.3235, 0.2534



63.2188, 0.4403, 0.3876

Rectangle

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



63.2188, 0.2920, 0.4262



63.2188, 0.2130, 0.3216



63.2188, 0.3235, 0.2534



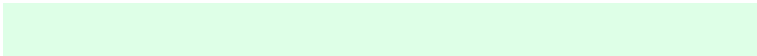
63.2188, 0.4222, 0.3219

Sweetspot

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



63.2214, 0.2920, 0.4262



92.7880, 0.3060, 0.3539



70.2942, 0.3567, 0.4432



19.6246, 0.3049, 0.3585



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.



63.2214, 0.2920, 0.4262



78.1717, 0.2889, 0.4512



65.2403, 0.2658, 0.3585



16.1533, 0.3079, 0.3466



32.2582, 0.2904, 0.5656



2.3990, 0.2825, 0.5368

Inverse Universe

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



36.9024, 0.3439, 0.2489



40.3882, 0.3528, 0.2335



34.9386, 0.3988, 0.3025



14.5448, 0.3179, 0.3120



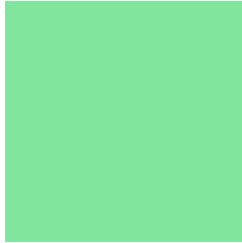
11.1344, 0.4040, 0.1999



0.8382, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 63.2188, 0.2920, 0.4262 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 63.2188, 0.2920, 0.4262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

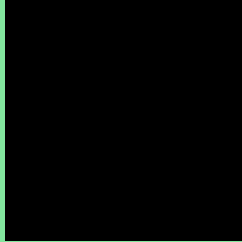
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2188, 0.2920, 0.4262

Background



This preview shows how black text looks on a background with the Yxy color 63.2188, 0.2920, 0.4262.



This preview shows how white text looks on a background with the Yxy color 63.2188, 0.2920, 0.4262.

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

63.2188, 0.2920, 0.4262

Protanopia

62.4202, 0.3694, 0.3975

Deuteranopia

62.4044, 0.3751, 0.3672



Tritanopia

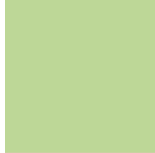
63.0734, 0.2572, 0.3071

Trichromacy



Original Color

63.2188, 0.2920, 0.4262



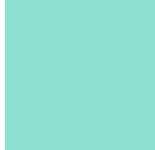
Protanomaly

61.6541, 0.3369, 0.4082



Deuteranomaly

61.0839, 0.3405, 0.3882



Tritanomaly

62.9921, 0.2694, 0.3480

Monochromacy



Original Color

63.2188, 0.2920, 0.4262



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.3523, 0.3037, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2188, 0.2920, 0.4262 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(130, 229, 157)` looks like.

```
.text, #text, p{  
    color:rgb(130, 229, 157)  
}
```

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(130, 229, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 229, 157) }
```

Border

The CSS property to change the border of an element to Yxy 63.2188, 0.2920, 0.4262 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(130, 229, 157) }
```

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

```
.border{ border-color:rgb(130, 229, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 229, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 229, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 229, 157); box-shadow:4px 4px 4px 4px rgb(130, 229, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2188, 0.2920, 0.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 229, 157) }
```

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

```
.background{ background-color: rgb(130,  
229, 157) }
```

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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