

Converting Colors

$Y_{xy}(42.1142, 0.2811, 0.3291)$

Have a look what the booklet for
Yxy(42.1142, 0.2811, 0.3291)
contains.

Yxy(42.1347, 0.2812, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.1347, 0.2812, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	8EB5B5
RGB	142, 181, 181
RGB Percent	56%, 71%, 71%
CMY	0.4430, 0.2902, 0.2902
CMYK	0.22, 0.00, 0.00, 0.29
HSL	180°, 21%, 63%
HSV	180°, 22%, 71%
XYZ	36.0240, 42.1347, 49.9493
YIQ	169.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

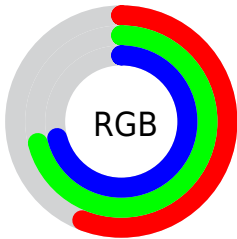
Format	Color
RYB	142, 162, 181
Decimal	9352629
CIELab	70.96, -13.00, -4.31
CIElCh	71, 13.696, 198.345
Yxy	42.1347, 0.2812, 0.3289
Android (android.graphics.Color)	4287542709 (0xFF8EB5B5)
YUV	169.3390, 5.7489, -23.9763
Hunter-Lab	64.9112, -14.5321, -0.1859

Details

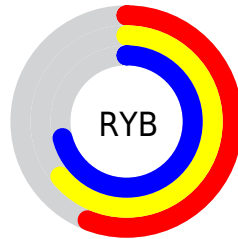
The Yxy color **42.1347, 0.2812, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.1357, 0.3554, 0.3291**, and the grayscale version is **39.8363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4186, 0.2866, 0.3289**, and **19.2210, 0.2726, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **40.6621, 0.2682, 0.3289**, and if you desaturate by 10%, it is **43.8707, 0.2953, 0.3289**.

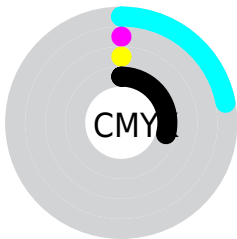
Distribution



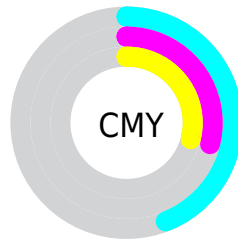
- Red (56%)
- Green (71%)
- Blue (71%)



- Red (56%)
- Yellow (64%)
- Blue (71%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (44%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1347, 0.2812, 0.3289 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 42.1347, 0.2812, 0.3289 by changing the saturation by 10% instead.

■ 42.1347, 0.2812,
0.3289

■ 42.1347, 0.2812,
0.3289

■ 355.0410, 0.2971,
0.3291

■ 29.2068, 0.2772,
0.3288

■ 78.4034, 0.2870,
0.3290

■ 19.2373, 0.2720,
0.3286

■ 102.5131, 0.2892,
0.3291

■ 11.8419, 0.2651,
0.3283

■ 131.1187, 0.2910,
0.3291

■ 6.6361, 0.2553,
0.3278

■ 164.6048, 0.2926,
0.3291

■ 3.2356, 0.2405,
0.3267

■ 203.3556, 0.2939,
0.3291

■ 1.2559, 0.2157,
0.3240

■ 247.7557, 0.2951,

■ 0.1067, 0.0000,

0.3291

0.2035

298.1894, 0.2962,
0.3291

0.0000, 0.0000,
0.0000

42.1347, 0.2812,
0.3289

42.1347, 0.2812,
0.3289

40.6621, 0.2682,
0.3289

43.8707, 0.2953,
0.3289

39.4353, 0.2567,
0.3288

45.8766, 0.3104,
0.3290

38.4424, 0.2469,
0.3288

48.1652, 0.3260,
0.3290

37.6685, 0.2388,
0.3288

50.7468, 0.3419,
0.3291

37.0971, 0.2327,
0.3287

53.6313, 0.3579,
0.3291

■ 36.7092, 0.2284,
0.3287

■ 56.8279, 0.3737,
0.3292

■ 36.4824, 0.2258,
0.3287

■ 57.6468, 0.3775,
0.3292

■ 36.3775, 0.2247,
0.3287

■ 57.6474, 0.3775,
0.3292

■ 57.6480, 0.3775,
0.3292

Harmonies

Analogous

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



42.1347, 0.2957, 0.3470



42.1347, 0.2812, 0.3289



42.1347, 0.2750, 0.3115

Triad

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



42.1347, 0.2812, 0.3289



42.1347, 0.3095, 0.3003



42.1347, 0.3478, 0.3580

Complementary

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



42.1347, 0.2812, 0.3289



31.1357, 0.3554, 0.3291

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.



42.1347, 0.3519, 0.3446



42.1347, 0.2812, 0.3289



42.1347, 0.3294, 0.3119

Square

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



42.1347, 0.2812, 0.3289



42.1347, 0.2909, 0.2958



42.1347, 0.3451, 0.3278



42.1347, 0.3341, 0.3640

Rectangle

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



42.1347, 0.2812, 0.3289



42.1347, 0.2763, 0.3028



42.1347, 0.3451, 0.3278



42.1347, 0.3504, 0.3541

Sweetspot

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



42.1364, 0.2812, 0.3289



80.4598, 0.3034, 0.3290



40.7557, 0.3100, 0.3878



17.3407, 0.3024, 0.3290



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.1364, 0.2812, 0.3289



74.1132, 0.2747, 0.3289



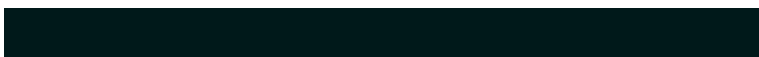
34.7614, 0.2792, 0.3001



9.6314, 0.2986, 0.3290



25.0781, 0.2247, 0.3287



0.7891, 0.2247, 0.3287

Inverse Universe

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



32.5167, 0.3152, 0.2764



53.6882, 0.3158, 0.2644



37.4490, 0.3499, 0.3562



8.6467, 0.3138, 0.3066



9.0718, 0.3209, 0.1542



0.2854, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 42.1347, 0.2812, 0.3289 looks on a white background.

Color Contrast Check

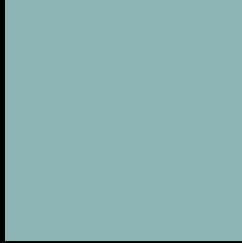
Large Text (above 18pt) WCAG AA × Fail

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 42.1347, 0.2812, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

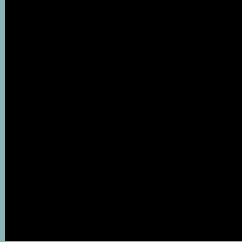
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

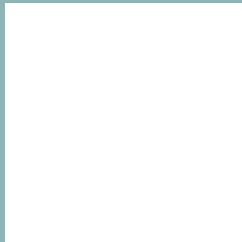
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1347, 0.2812, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 42.1347, 0.2812, 0.3289.

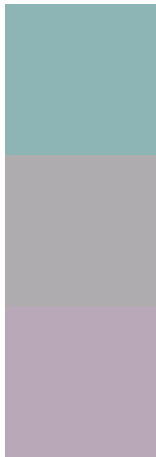


This preview shows how white text looks on a background with the Yxy color 42.1347, 0.2812, 0.3289.

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

42.1347, 0.2812, 0.3289

Protanopia

41.7536, 0.3121, 0.3236

Deuteranopia

41.7802, 0.3146, 0.3081



Tritanopia

42.1102, 0.2749, 0.3093

Trichromacy



Original Color

42.1347, 0.2812, 0.3289

Protanomaly

41.6608, 0.2999, 0.3248

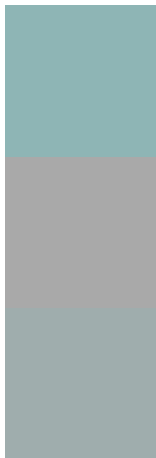
Deuteranomaly

41.7411, 0.3011, 0.3154

Tritanomaly

42.2459, 0.2770, 0.3162

Monochromacy



Original Color

42.1347, 0.2812, 0.3289

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.2752, 0.3005, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1347, 0.2812, 0.3289 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(142, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(142, 181, 181)  
}
```

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(142, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 181, 181) }
```

Border

The CSS property to change the border of an element to Yxy 42.1347, 0.2812, 0.3289 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(142, 181, 181) }
```

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

```
.border{ border-color:rgb(142, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(142, 181,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1347, 0.2812, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 181, 181) }
```

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

```
.background{ background-color: rgb(142,  
181, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor