

Converting Colors

$Y_{xy}(42.1065, 0.2838, 0.3298)$

Have a look what the booklet for
Yxy(42.1065, 0.2838, 0.3298)
contains.

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Color

Yxy(42.2723, 0.2834, 0.3303)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 90B5B4 |
| RGB | 144, 181, 180 |
| RGB Percent | 56%, 71%, 71% |
| CMY | 0.4351, 0.2902, 0.2940 |
| CMYK | 0.20, 0.00, 0.01, 0.29 |
| HSL | 178°, 20%, 64% |
| HSV | 178°, 20%, 71% |
| XYZ | 36.2700, 42.2723, 49.4393 |
| YIQ | 169.8230, -21.7310, -8.1550 |

Conversions

Conversions Part 2

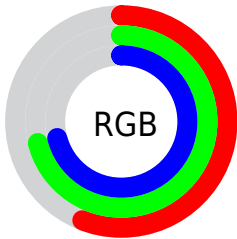
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 144, 163, 181 |
| Decimal | 9483700 |
| CIELab | 71.06, -12.59, -3.62 |
| CIElCh | 71, 13.096, 196.050 |
| Yxy | 42.2723, 0.2834, 0.3303 |
| Android (android.graphics.Color) | 4287673780 (0xFF90B5B4) |
| YUV | 169.8230, 5.0173, -22.6468 |
| Hunter-Lab | 65.0172, -14.2034, 0.4277 |

Details

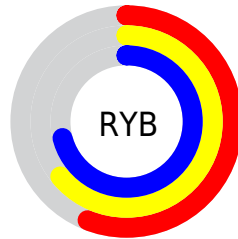
The Yxy color **42.2723, 0.2834, 0.3303** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.8253, 0.3516, 0.3277**, and the grayscale version is **40.0929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6303, 0.2884, 0.3300**, and **19.2978, 0.2755, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **40.7529, 0.2706, 0.3310**, and if you desaturate by 10%, it is **44.0565, 0.2973, 0.3296**.

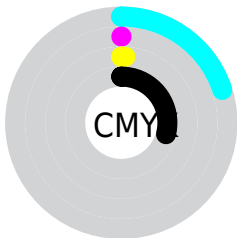
Distribution



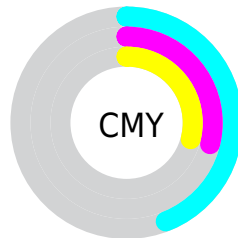
- Red (56%)
- Green (71%)
- Blue (71%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2723, 0.2834, 0.3303 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 42.2723, 0.2834, 0.3303 by changing the saturation by 10% instead.


 42.2723, 0.2834,
0.3303


 42.2723, 0.2834,
0.3303


355.6105, 0.2982,
0.3298

 29.3146, 0.2797,
0.3304


 78.6116, 0.2888,
0.3301

 19.3189, 0.2748,
0.3305


 102.7619, 0.2908,
0.3301

 11.9009, 0.2684,
0.3305


131.4119, 0.2925,
0.3300

 6.6763, 0.2592,
0.3305

164.9459, 0.2940,
0.3300

 3.2605, 0.2454,
0.3303

203.7484, 0.2953,
0.3299

 1.2692, 0.2222,
0.3292

248.2037, 0.2964,

 0.1172, 0.0000,

0.3299

0.2353

298.6963, 0.2973,
0.3298

0.0000, 0.0000,
0.0000

42.2723, 0.2834,
0.3303

42.2723, 0.2834,
0.3303

40.7529, 0.2706,
0.3310

44.0565, 0.2973,
0.3296

39.4808, 0.2591,
0.3318

46.1119, 0.3121,
0.3290

38.4441, 0.2492,
0.3326

48.4512, 0.3274,
0.3285

37.6283, 0.2412,
0.3334

51.0847, 0.3429,
0.3280

37.0169, 0.2350,
0.3343

54.0221, 0.3584,
0.3276

■ 36.5914, 0.2306,
0.3351

■ 57.2728, 0.3738,
0.3272

■ 36.3297, 0.2281,
0.3359

■ 57.7387, 0.3754,
0.3267

■ 36.1893, 0.2269,
0.3367

■ 57.7586, 0.3750,
0.3262

■ 57.7786, 0.3746,
0.3257

Harmonies

Analogous

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



42.2723, 0.2977, 0.3474



42.2723, 0.2834, 0.3303



42.2723, 0.2768, 0.3135

Triad

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



42.2723, 0.2834, 0.3303



42.2723, 0.3082, 0.3010



42.2723, 0.3469, 0.3559

Complementary

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



42.2723, 0.2834, 0.3303



31.8253, 0.3516, 0.3277

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.



42.2723, 0.3500, 0.3428



42.2723, 0.2834, 0.3303



42.2723, 0.3273, 0.3116

Square

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



42.2723, 0.2834, 0.3303



42.2723, 0.2907, 0.2972



42.2723, 0.3428, 0.3267



42.2723, 0.3344, 0.3623

Rectangle

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



42.2723, 0.2834, 0.3303



42.2723, 0.2775, 0.3048



42.2723, 0.3428, 0.3267



42.2723, 0.3491, 0.3521

Sweetspot

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



42.2740, 0.2834, 0.3303



80.4392, 0.3036, 0.3294



41.1041, 0.3112, 0.3843



17.3358, 0.3027, 0.3294



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.



42.2740, 0.2834, 0.3303



74.2987, 0.2768, 0.3307



35.7291, 0.2811, 0.3036



9.6276, 0.2989, 0.3296



24.9518, 0.2268, 0.3366



0.7863, 0.2262, 0.3343

Inverse Universe

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



31.8253, 0.3516, 0.3277



51.8192, 0.3641, 0.3274



37.4267, 0.3480, 0.3531



8.5088, 0.3283, 0.3284



6.7811, 0.6366, 0.3281



0.2146, 0.6222, 0.3201

Previews

White Background



This preview shows how the Yxy color 42.2723, 0.2834, 0.3303 looks on a white background.

Color Contrast Check

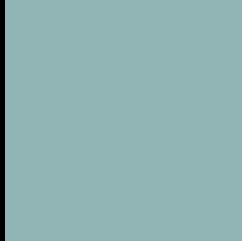
Large Text (above 18pt) WCAG AA × Fail

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 42.2723, 0.2834, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

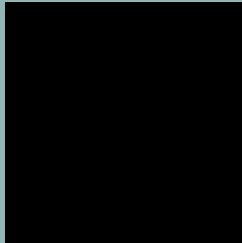
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

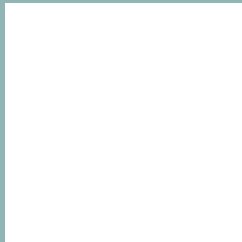
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2723, 0.2834, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 42.2723, 0.2834, 0.3303.

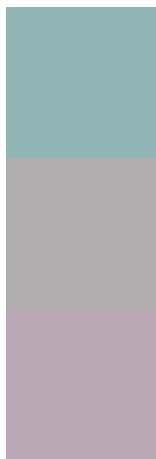


This preview shows how white text looks on a background with the Yxy color 42.2723, 0.2834, 0.3303.

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

42.2723, 0.2834, 0.3303

Protanopia

42.2124, 0.3137, 0.3263

Deuteranopia

41.8633, 0.3164, 0.3094



Tritanopia

42.2935, 0.2764, 0.3094

Trichromacy



Original Color

42.2723, 0.2834, 0.3303

Protanomaly

42.1175, 0.3016, 0.3276

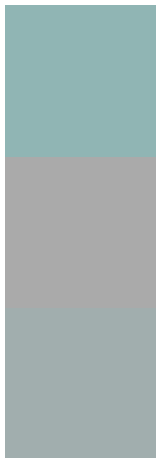
Deuteranomaly

41.9225, 0.3036, 0.3168

Tritanomaly

42.3843, 0.2792, 0.3176

Monochromacy



Original Color

42.2723, 0.2834, 0.3303

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.9052, 0.3014, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2723, 0.2834, 0.3303 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(144, 181, 180)` looks like.

```
.text, #text, p{  
    color:rgb(144, 181, 180)  
}
```

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(144, 181, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 181, 180) }
```

Border

The CSS property to change the border of an element to Yxy 42.2723, 0.2834, 0.3303 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(144, 181, 180) }
```

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

```
.border{ border-color:rgb(144, 181, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 181, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 181, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 181, 180);  
box-shadow:4px 4px 4px 4px rgb(144, 181,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2723, 0.2834, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 181, 180) }
```

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

```
.background{ background-color: rgb(144,  
181, 180) }
```

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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