

Converting Colors

$Y_{xy}(40.7494, 0.2682, 0.3230)$

Have a look what the booklet for
Yxy(40.7494, 0.2682, 0.3230)
contains.

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Color

Yxy(40.6152, 0.2682, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	7FB4B8
RGB	127, 180, 184
RGB Percent	50%, 71%, 72%
CMY	0.5020, 0.2941, 0.2785
CMYK	0.31, 0.02, 0.00, 0.28
HSL	184°, 29%, 61%
HSV	184°, 31%, 72%
XYZ	33.7244, 40.6152, 51.4040
YIQ	164.6090, -32.8720, -9.9920

Conversions

Conversions Part 2

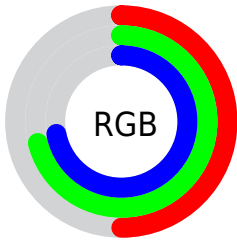
Format	Color
RYB	127, 154, 184
Decimal	8369336
CIELab	69.91, -16.31, -7.62
CIELCh	70, 17.999, 205.040
Yxy	40.6152, 0.2682, 0.3230
Android (android.graphics.Color)	4286559416 (0xFF7FB4B8)
YUV	164.6090, 9.5598, -32.9831
Hunter-Lab	63.7301, -17.0696, -3.2117

Details

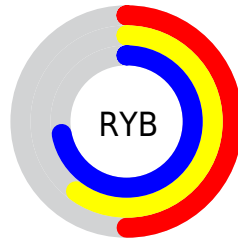
The Yxy color **40.6152, 0.2682, 0.3230** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.9512, 0.3799, 0.3349**, and the grayscale version is **37.3957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1059, 0.2761, 0.3244**, and **18.3133, 0.2553, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **38.8134, 0.2560, 0.3208**, and if you desaturate by 10%, it is **42.6830, 0.2817, 0.3251**.

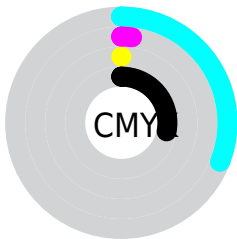
Distribution



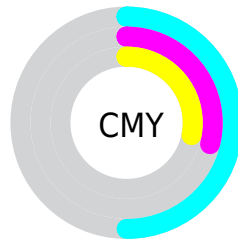
- Red (50%)
- Green (71%)
- Blue (72%)



- Red (50%)
- Yellow (60%)
- Blue (72%)



- Cyan (31%)
- Magenta (2%)
- Yellow (0%)
- Black (28%)





- Cyan (50%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6152, 0.2682, 0.3230 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 40.6152, 0.2682, 0.3230 by changing the saturation by 10% instead.


 40.6152, 0.2682,
0.3230


 40.6152, 0.2682,
0.3230


348.7098, 0.2907,
0.3264

 28.0185, 0.2625,
0.3220


 76.0994, 0.2764,
0.3244

 18.3396, 0.2552,
0.3206


 99.7557, 0.2795,
0.3248

 11.1941, 0.2454,
0.3187


 127.8674, 0.2821,
0.3252

 6.1975, 0.2317,
0.3156

160.8188, 0.2843,
0.3255

 2.9656, 0.2112,
0.3103

198.9944, 0.2862,
0.3258

 1.1138, 0.1740,
0.3008

242.7785, 0.2879,

 0.0000, 0.0000,

0.3261

0.0000

292.5555, 0.2894,
0.3263

■ 40.6152, 0.2682,
0.3230

■ 40.6152, 0.2682,
0.3230

■ 38.8134, 0.2560,
0.3208

■ 42.6830, 0.2817,
0.3251

■ 37.2587, 0.2453,
0.3185

■ 45.0251, 0.2961,
0.3270

■ 35.9373, 0.2363,
0.3162

■ 47.6550, 0.3112,
0.3288

■ 34.8321, 0.2292,
0.3138

■ 50.5843, 0.3267,
0.3305

■ 33.9235, 0.2240,
0.3114

■ 53.8236, 0.3424,
0.3319

■ 33.1883, 0.2206,
0.3091

■ 57.3833, 0.3579,
0.3333

■ 32.6314, 0.2186,
0.3070

■ 61.1218, 0.3726,
0.3344

■ 61.6781, 0.3722,
0.3358

■ 62.2393, 0.3718,
0.3371

Harmonies

Analogous

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



40.6152, 0.2850, 0.3480



40.6152, 0.2682, 0.3230



40.6152, 0.2630, 0.3011

Triad

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



40.6152, 0.2682, 0.3230



40.6152, 0.3142, 0.2940



40.6152, 0.3562, 0.3701

Complementary

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



40.6152, 0.2682, 0.3230



27.9512, 0.3799, 0.3349

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.



40.6152, 0.3651, 0.3537



40.6152, 0.2682, 0.3230



40.6152, 0.3403, 0.3107

Square

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



40.6152, 0.2682, 0.3230



40.6152, 0.2887, 0.2857



40.6152, 0.3592, 0.3321



40.6152, 0.3357, 0.3759

Rectangle

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



40.6152, 0.2682, 0.3230



40.6152, 0.2665, 0.2912



40.6152, 0.3592, 0.3321



40.6152, 0.3607, 0.3656

Sweetspot

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



40.6168, 0.2682, 0.3230



82.4587, 0.2988, 0.3274



40.4228, 0.3058, 0.4124



17.6340, 0.2967, 0.3271



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.6168, 0.2682, 0.3230



71.4126, 0.2599, 0.3216



30.3308, 0.2632, 0.2793



10.1002, 0.2985, 0.3273



22.5346, 0.2187, 0.3073



0.8268, 0.2204, 0.3133

Inverse Universe

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



28.6640, 0.3204, 0.2580



46.5211, 0.3223, 0.2431



36.6198, 0.3681, 0.3740



9.1516, 0.3148, 0.3080



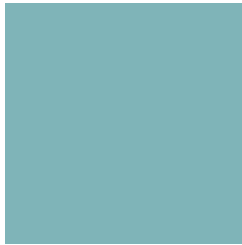
9.0572, 0.3390, 0.1641



0.3226, 0.3339, 0.1613

Previews

White Background



This preview shows how the Yxy color 40.6152, 0.2682, 0.3230 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 40.6152, 0.2682, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

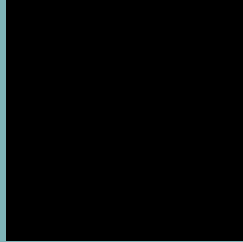
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

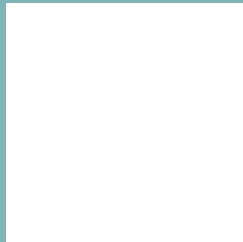
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6152, 0.2682, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 40.6152, 0.2682, 0.3230.

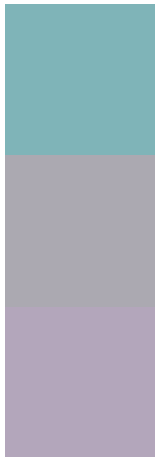


This preview shows how white text looks on a background with the Yxy color 40.6152, 0.2682, 0.3230.

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

40.6152, 0.2682, 0.3230

Protanopia

40.2082, 0.3078, 0.3180

Deuteranopia

40.4440, 0.3068, 0.3012



Tritanopia

40.7576, 0.2635, 0.3087

Trichromacy



Original Color

40.6152, 0.2682, 0.3230

Protanomaly

40.1510, 0.2916, 0.3190

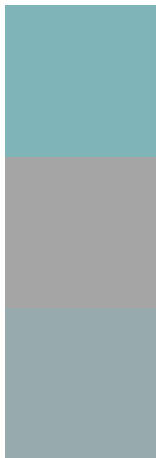
Deuteranomaly

40.1446, 0.2911, 0.3082

Tritanomaly

40.5471, 0.2648, 0.3129

Monochromacy



Original Color

40.6152, 0.2682, 0.3230

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.3073, 0.2943, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6152, 0.2682, 0.3230 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(127, 180, 184)` looks like.

```
.text, #text, p{  
    color:rgb(127, 180, 184)  
}
```

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(127, 180, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 180, 184) }
```

Border

The CSS property to change the border of an element to Yxy 40.6152, 0.2682, 0.3230 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(127, 180, 184) }
```

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

```
.border{ border-color:rgb(127, 180, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 180, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 180, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 180, 184);  
box-shadow:4px 4px 4px 4px rgb(127, 180,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6152, 0.2682, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 180, 184) }
```

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

```
.background{ background-color: rgb(127,  
180, 184) }
```

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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