

Converting Colors

$Y_{xy}(40.6175, 0.2717, 0.3355)$

Have a look what the booklet for
Yxy(40.6175, 0.2717, 0.3355)
contains.

Yxy(40.5820, 0.2716, 0.3349)	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(40.5820, 0.2716, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	7DB5B1
RGB	125, 181, 177
RGB Percent	49%, 71%, 69%
CMY	0.5099, 0.2901, 0.3060
CMYK	0.31, 0.00, 0.02, 0.29
HSL	176°, 27%, 60%
HSV	176°, 31%, 71%
XYZ	32.9115, 40.5820, 47.6829
YIQ	163.8000, -32.0920, -13.1160

Conversions

Conversions Part 2

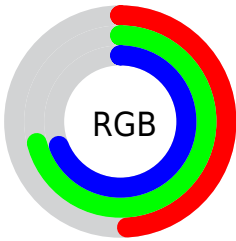
Format	Color
RYB	125, 154, 181
Decimal	8238513
CIELab	69.88, -19.07, -3.81
CIELCh	70, 19.450, 191.286
Yxy	40.5820, 0.2716, 0.3349
Android (android.graphics.Color)	4286428593 (0xFF7DB5B1)
YUV	163.8000, 6.5076, -34.0276
Hunter-Lab	63.7040, -19.2632, 0.2138

Details

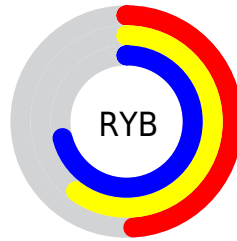
The Yxy color **40.5820, 0.2716, 0.3349** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.0687, 0.3765, 0.3234**, and the grayscale version is **37.0012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0353, 0.2788, 0.3334**, and **18.3355, 0.2590, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **39.2920, 0.2606, 0.3371**, and if you desaturate by 10%, it is **42.1240, 0.2839, 0.3328**.

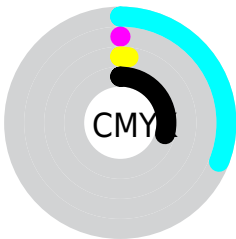
Distribution



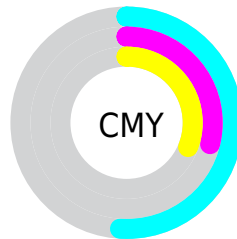
- Red (49%)
- Green (71%)
- Blue (69%)



- Red (49%)
- Yellow (60%)
- Blue (71%)



- Cyan (31%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



- Cyan (51%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5820, 0.2716, 0.3349 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 40.5820, 0.2716, 0.3349 by changing the saturation by 10% instead.

■ 40.5820, 0.2716,
0.3349

■ 40.5820, 0.2716,
0.3349

■ 348.5705, 0.2924,
0.3321

■ 27.9926, 0.2663,
0.3355

■ 76.0490, 0.2792,
0.3339

■ 18.3201, 0.2595,
0.3363

■ 99.6953, 0.2821,
0.3336

■ 11.1800, 0.2503,
0.3373

■ 127.7961, 0.2845,
0.3332

■ 6.1881, 0.2373,
0.3384

■ 160.7357, 0.2865,
0.3330

■ 2.9598, 0.2176,
0.3398

■ 198.8986, 0.2883,
0.3327

■ 1.1108, 0.1777,
0.3438

■ 242.6691, 0.2899,

■ 0.0000, 0.0000,

0.3325

0.0000

292.4316, 0.2912,
0.3323

■ 40.5820, 0.2716,
0.3349

■ 40.5820, 0.2716,
0.3349

■ 39.2920, 0.2606,
0.3371

■ 42.1240, 0.2839,
0.3328

■ 38.2356, 0.2512,
0.3394

■ 43.9256, 0.2972,
0.3309

■ 37.3996, 0.2435,
0.3417


■ 46.0000, 0.3113,
0.3292


■ 36.7676, 0.2377,
0.3441

■ 48.3583, 0.3259,
0.3276

■ 36.3208, 0.2338,
0.3466


■ 51.0106, 0.3407,
0.3261

 36.0370, 0.2316,
0.3489

 53.9669, 0.3555,
0.3249

 35.8796, 0.2309,
0.3511

 57.2365, 0.3701,
0.3238

 57.9175, 0.3718,
0.3225

 57.9737, 0.3707,
0.3211

Harmonies

Analogous

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



40.5820, 0.2942, 0.3607



40.5820, 0.2716, 0.3349



40.5820, 0.2600, 0.3087

Triad

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



40.5820, 0.2716, 0.3349



40.5820, 0.3011, 0.2860



40.5820, 0.3660, 0.3663

Complementary

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



40.5820, 0.2716, 0.3349



26.0687, 0.3765, 0.3234

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.



40.5820, 0.3685, 0.3452



40.5820, 0.2716, 0.3349



40.5820, 0.3300, 0.3001

Square

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



40.5820, 0.2716, 0.3349



40.5820, 0.2764, 0.2820



40.5820, 0.3551, 0.3213



40.5820, 0.3489, 0.3786

Rectangle

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



40.5820, 0.2716, 0.3349



40.5820, 0.2596, 0.2949



40.5820, 0.3551, 0.3213



40.5820, 0.3686, 0.3599

Sweetspot

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



40.5836, 0.2716, 0.3349



79.2946, 0.2997, 0.3306



39.2496, 0.3124, 0.4174



17.0291, 0.2978, 0.3309



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.



40.5836, 0.2716, 0.3349



71.0862, 0.2641, 0.3363



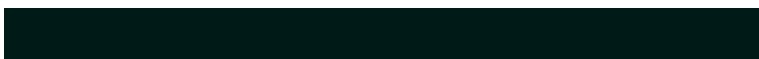
32.0318, 0.2648, 0.2929



9.6208, 0.2995, 0.3306



24.7353, 0.2308, 0.3508



0.7814, 0.2289, 0.3441

Inverse Universe

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



26.0687, 0.3765, 0.3234



41.0451, 0.3965, 0.3221



32.5848, 0.3715, 0.3624



8.5149, 0.3276, 0.3274



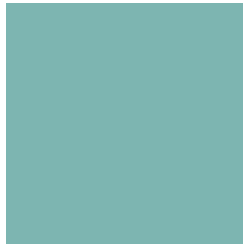
6.7965, 0.6306, 0.3248



0.2171, 0.5940, 0.3046

Previews

White Background



This preview shows how the Yxy color 40.5820, 0.2716, 0.3349 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 40.5820, 0.2716, 0.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

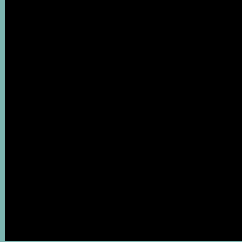
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

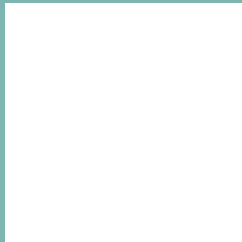
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5820, 0.2716, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 40.5820, 0.2716, 0.3349.

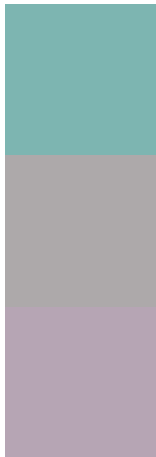


This preview shows how white text looks on a background with the Yxy color 40.5820, 0.2716, 0.3349.

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

40.5820, 0.2716, 0.3349

Protanopia

40.1625, 0.3155, 0.3276

Deuteranopia

40.1506, 0.3155, 0.3091



Tritanopia

40.7576, 0.2635, 0.3087

Trichromacy



Original Color

40.5820, 0.2716, 0.3349

Protanomaly

39.9722, 0.2979, 0.3290

Deuteranomaly

39.9576, 0.2974, 0.3178

Tritanomaly

40.8196, 0.2669, 0.3186

Monochromacy



Original Color

40.5820, 0.2716, 0.3349

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.0981, 0.2959, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5820, 0.2716, 0.3349 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(125, 181, 177)` looks like.

```
.text, #text, p{  
    color:rgb(125, 181, 177)  
}
```

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(125, 181, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 181, 177) }
```

Border

The CSS property to change the border of an element to Yxy 40.5820, 0.2716, 0.3349 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(125, 181, 177) }
```

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

```
.border{ border-color:rgb(125, 181, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 181, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 181, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 181, 177); box-shadow:4px 4px 4px 4px rgb(125, 181, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5820, 0.2716, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 181, 177) }
```

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

```
.background{ background-color: rgb(125,  
181, 177) }
```

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