

Converting Colors

$Y_{xy}(40.6197, 0.2726, 0.3520)$

Have a look what the booklet for
Yxy(40.6197, 0.2726, 0.3520)
contains.

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Color

Yxy(40.4760, 0.2725, 0.3519)

Conversions

Conversions Part 1

Format	Color
Hex	75B7A8
RGB	117, 183, 168
RGB Percent	46%, 72%, 66%
CMY	0.5409, 0.2824, 0.3412
CMYK	0.36, 0.00, 0.08, 0.28
HSL	166°, 31%, 59%
HSV	166°, 36%, 72%
XYZ	31.3433, 40.4760, 43.2020
YIQ	161.5560, -34.5210, -18.6570

Conversions

Conversions Part 2

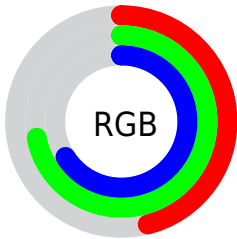
Format	Color
RYB	117, 154, 183
Decimal	7714728
CIELab	69.81, -24.42, 0.98
CIELCh	70, 24.439, 177.703
Yxy	40.4760, 0.2725, 0.3519
Android (android.graphics.Color)	4285904808 (0xFF75B7A8)
YUV	161.5560, 3.1769, -39.0756
Hunter-Lab	63.6208, -23.3968, 4.2733

Details

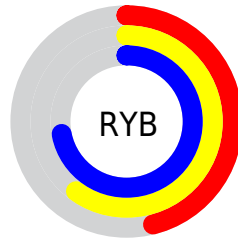
The Yxy color **40.4760, 0.2725, 0.3519** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4726, 0.3780, 0.3077**, and the grayscale version is **35.9170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7186, 0.2798, 0.3475**, and **18.3162, 0.2602, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **39.1779, 0.2636, 0.3594**, and if you desaturate by 10%, it is **42.0301, 0.2826, 0.3448**.

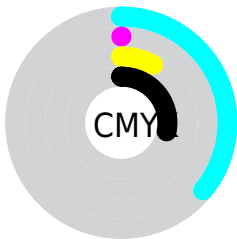
Distribution



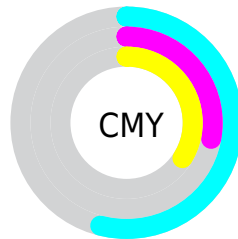
- Red (46%)
- Green (72%)
- Blue (66%)



- Red (46%)
- Yellow (60%)
- Blue (72%)



- Cyan (36%)
- Magenta (0%)
- Yellow (8%)
- Black (28%)





- Cyan (54%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4760, 0.2725, 0.3519 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 40.4760, 0.2725, 0.3519 by changing the saturation by 10% instead.


 40.4760, 0.2725,
0.3519


 40.4760, 0.2725,
0.3519


348.1258, 0.2930,
0.3402

 27.9099, 0.2672,
0.3549


 75.8878, 0.2801,
0.3476

 18.2577, 0.2604,
0.3589


 99.5023, 0.2829,
0.3460

 11.1352, 0.2511,
0.3643


 127.5683, 0.2852,
0.3446

 6.1578, 0.2379,
0.3720

160.4703, 0.2873,
0.3434

 2.9413, 0.2177,
0.3839

198.5926, 0.2890,
0.3425

 1.1012, 0.1639,
0.4142

242.3197, 0.2905,

 0.0000, 0.0000,

0.3416

0.0000

292.0360, 0.2919,
0.3408

■ 40.4760, 0.2725,
0.3519

■ 40.4760, 0.2725,
0.3519

■ 39.1779, 0.2636,
0.3594

■ 42.0301, 0.2826,
0.3448

■ 38.1165, 0.2563,
0.3673

■ 43.8488, 0.2937,
0.3383

■ 37.2772, 0.2507,
0.3755

■ 45.9460, 0.3054,
0.3323


■ 36.6421, 0.2470,
0.3838

■ 48.3334, 0.3176,
0.3269

■ 36.1902, 0.2452,
0.3922


■ 51.0220, 0.3299,
0.3221

 35.8945, 0.2452,
0.4004

 54.0221, 0.3423,
0.3178

 35.7978, 0.2455,
0.4037

 57.3436, 0.3545,
0.3140

 59.3555, 0.3592,
0.3101

 59.5546, 0.3557,
0.3059

Harmonies

Analogous

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



40.4760, 0.3047, 0.3809



40.4760, 0.2725, 0.3519



40.4760, 0.2516, 0.3172

Triad

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



40.4760, 0.2725, 0.3519



40.4760, 0.2828, 0.2717



40.4760, 0.3838, 0.3639

Complementary

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



40.4760, 0.2725, 0.3519



24.4726, 0.3780, 0.3077

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.



40.4760, 0.3778, 0.3351



40.4760, 0.2725, 0.3519



40.4760, 0.3176, 0.2839

Square

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



40.4760, 0.2725, 0.3519



40.4760, 0.2573, 0.2729



40.4760, 0.3530, 0.3066



40.4760, 0.3696, 0.3858

Rectangle

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



40.4760, 0.2725, 0.3519



40.4760, 0.2462, 0.2969



40.4760, 0.3530, 0.3066



40.4760, 0.3841, 0.3547

Sweetspot

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



40.4776, 0.2725, 0.3519



80.2952, 0.2993, 0.3353



40.0920, 0.3202, 0.4318



17.6242, 0.2977, 0.3362



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.



40.4776, 0.2725, 0.3519



70.6730, 0.2656, 0.3576



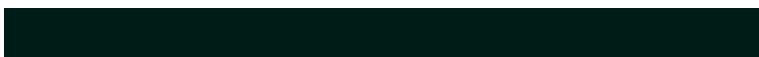
34.2647, 0.2591, 0.3018



10.1747, 0.3015, 0.3343



24.9860, 0.2452, 0.4028



0.8895, 0.2393, 0.3814

Inverse Universe

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



24.4726, 0.3780, 0.3077



37.8890, 0.3991, 0.3032



28.5822, 0.3888, 0.3544



9.0448, 0.3253, 0.3238



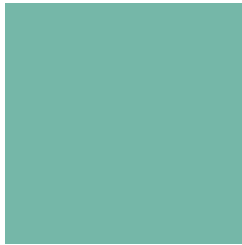
7.1468, 0.5968, 0.3061



0.2616, 0.5239, 0.2660

Previews

White Background



This preview shows how the Yxy color 40.4760, 0.2725, 0.3519 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 40.4760, 0.2725, 0.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

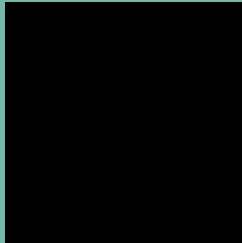
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4760, 0.2725, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 40.4760, 0.2725, 0.3519.



This preview shows how white text looks on a background with the Yxy color 40.4760, 0.2725, 0.3519.

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

40.4760, 0.2725, 0.3519

Protanopia

40.0280, 0.3260, 0.3415

Deuteranopia

39.8438, 0.3255, 0.3184



Tritanopia

40.3462, 0.2589, 0.3070

Trichromacy



Original Color

40.4760, 0.2725, 0.3519

Protanomaly

39.7865, 0.3041, 0.3449

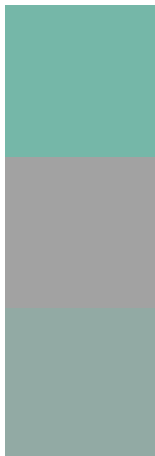
Deuteranomaly

39.5397, 0.3029, 0.3290

Tritanomaly

40.2102, 0.2635, 0.3214

Monochromacy



Original Color

40.4760, 0.2725, 0.3519

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.5408, 0.2964, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4760, 0.2725, 0.3519 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(117, 183, 168)` looks like.

```
.text, #text, p{  
    color:rgb(117, 183, 168)  
}
```

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(117, 183, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 183, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.4760, 0.2725, 0.3519 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(117, 183, 168) }
```

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

```
.border{ border-color:rgb(117, 183, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 183, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 183, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 183, 168);  
box-shadow:4px 4px 4px 4px rgb(117, 183,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4760, 0.2725, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 183, 168) }
```

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

```
.background{ background-color: rgb(117,  
183, 168) }
```

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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