

Converting Colors

$Y_{xy}(40.4799, 0.2571, 0.3028)$

Have a look what the booklet for
Yxy(40.4799, 0.2571, 0.3028)
contains.

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Color

Yxy(40.4824, 0.2571, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	7BB3C5
RGB	123, 179, 197
RGB Percent	48%, 70%, 77%
CMY	0.5175, 0.2981, 0.2274
CMYK	0.38, 0.09, 0.00, 0.23
HSL	195°, 39%, 63%
HSV	195°, 38%, 77%
XYZ	34.3726, 40.4824, 58.8385
YIQ	164.3080, -39.1540, -6.2740

Conversions

Conversions Part 2

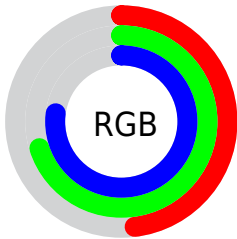
Format	Color
RYB	123, 155, 197
Decimal	8106949
CIELab	69.81, -13.65, -14.95
CIElCh	70, 20.246, 227.606
Yxy	40.4824, 0.2571, 0.3028
Android (android.graphics.Color)	4286297029 (0xFF7BB3C5)
YUV	164.3080, 16.1172, -36.2271
Hunter-Lab	63.6258, -14.9139, -10.2909

Details

The Yxy color **40.4824, 0.2571, 0.3028** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.3751, 0.3945, 0.3534**, and the grayscale version is **37.2196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0374, 0.2671, 0.3079**, and **18.2070, 0.2416, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **37.2824, 0.2440, 0.2946**, and if you desaturate by 10%, it is **44.0450, 0.2712, 0.3106**.

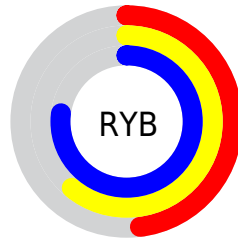
Distribution



Red (48%)

Green (70%)

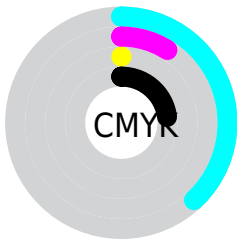
Blue (77%)



Red (48%)

Yellow (61%)

Blue (77%)

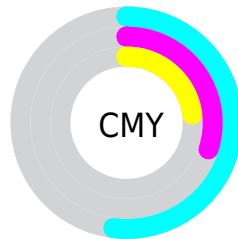


Cyan (38%)

Magenta (9%)

Yellow (0%)

Black (23%)



Cyan (52%)


Magenta (30%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4824, 0.2571, 0.3028 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 40.4824, 0.2571, 0.3028 by changing the saturation by 10% instead.


 40.4824, 0.2571,
0.3028


 40.4824, 0.2571,
0.3028


348.1526, 0.2850,
0.3166


 27.9149, 0.2501,
0.2991


 75.8975, 0.2672,
0.3080

 18.2615, 0.2412,
0.2943


 99.5139, 0.2710,
0.3099

 11.1379, 0.2294,
0.2876


 127.5821, 0.2743,
0.3115

 6.1597, 0.2131,
0.2779

160.4863, 0.2770,
0.3128

 2.9424, 0.1891,
0.2627

198.6111, 0.2794,
0.3140

 1.1017, 0.1500,
0.2364

242.3408, 0.2815,

 0.0000, 0.0000,

0.3150

0.0000

292.0599, 0.2834,
0.3159

■ 40.4824, 0.2571,
0.3028

■ 40.4824, 0.2571,
0.3028

■ 37.2824, 0.2440,
0.2946

■ 44.0450, 0.2712,
0.3106

■ 34.4220, 0.2323,
0.2859

■ 47.9823, 0.2860,
0.3178

■ 31.8825, 0.2222,
0.2770

■ 52.3116, 0.3012,
0.3244

■ 29.6411, 0.2139,
0.2680

■ 57.0474, 0.3165,
0.3304

■ 27.6713, 0.2076,
0.2589

■ 62.2036, 0.3316,
0.3358

■ 25.9353, 0.2032,
0.2500

■ 67.7933, 0.3464,
0.3406

■ 25.5299, 0.2022,
0.2478

■ 72.6815, 0.3562,
0.3451

■ 75.1270, 0.3551,
0.3499

■ 77.6445, 0.3541,
0.3547

Harmonies

Analogous

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



40.4824, 0.2663, 0.3291



40.4824, 0.2571, 0.3028



40.4824, 0.2618, 0.2854

Triad

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



40.4824, 0.2571, 0.3028



40.4824, 0.3368, 0.3031



40.4824, 0.3451, 0.3817

Complementary

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



40.4824, 0.2571, 0.3028



32.3751, 0.3945, 0.3534

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.



40.4824, 0.3656, 0.3714



40.4824, 0.2571, 0.3028



40.4824, 0.3611, 0.3261

Square

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



40.4824, 0.2571, 0.3028



40.4824, 0.3068, 0.2866



40.4824, 0.3717, 0.3508



40.4824, 0.3164, 0.3768

Rectangle

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



40.4824, 0.2571, 0.3028



40.4824, 0.2724, 0.2804



40.4824, 0.3717, 0.3508



40.4824, 0.3532, 0.3798

Sweetspot

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



40.4840, 0.2571, 0.3028



90.7786, 0.2957, 0.3221



46.0593, 0.2963, 0.4148



19.2005, 0.2936, 0.3212



0.0000, 0.0000, 0.0000



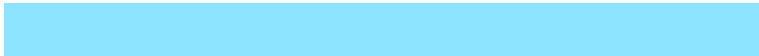
21.4041, 0.3127, 0.3290

Same Dimension

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



40.4840, 0.2571, 0.3028



67.7749, 0.2464, 0.2961



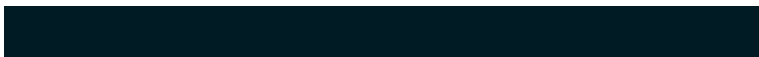
27.8222, 0.2491, 0.2471



11.6127, 0.2984, 0.3232



16.9240, 0.2025, 0.2490



0.9094, 0.2077, 0.2676

Inverse Universe

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



29.3041, 0.3360, 0.2574



45.6373, 0.3427, 0.2424



44.8652, 0.3770, 0.3990



10.7707, 0.3174, 0.3117



9.2485, 0.3933, 0.1940



0.4488, 0.3751, 0.1840

Previews

White Background



This preview shows how the Yxy color 40.4824, 0.2571, 0.3028 looks on a white background.

Color Contrast Check

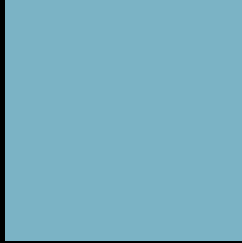
Large Text (above 18pt) WCAG AA × Fail

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 40.4824, 0.2571, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

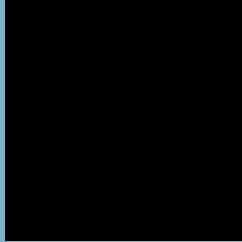
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

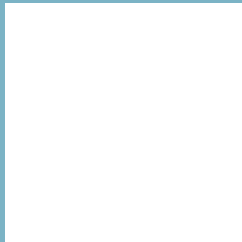
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4824, 0.2571, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 40.4824, 0.2571, 0.3028.



This preview shows how white text looks on a background with the Yxy color 40.4824, 0.2571, 0.3028.

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

40.4824, 0.2571, 0.3028

Protanopia

40.3091, 0.2938, 0.3005

Deuteranopia

40.2132, 0.2902, 0.2841



Tritanopia

40.2728, 0.2583, 0.3070

Trichromacy



Original Color

40.4824, 0.2571, 0.3028

Protanomaly

40.3167, 0.2788, 0.3011

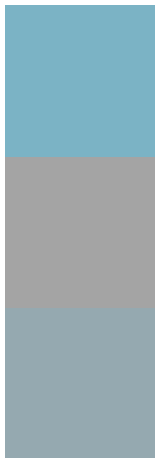
Deuteranomaly

40.1194, 0.2766, 0.2905

Tritanomaly

40.3179, 0.2577, 0.3056

Monochromacy



Original Color

40.4824, 0.2571, 0.3028

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.9001, 0.2895, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4824, 0.2571, 0.3028 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(123, 179, 197)` looks like.

```
.text, #text, p{  
    color:rgb(123, 179, 197)  
}
```

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(123, 179, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 179, 197) }
```

Border

The CSS property to change the border of an element to Yxy 40.4824, 0.2571, 0.3028 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(123, 179, 197) }
```

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

```
.border{ border-color:rgb(123, 179, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 179, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 179, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 179, 197);  
box-shadow:4px 4px 4px 4px rgb(123, 179,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4824, 0.2571, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 179, 197) }
```

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

```
.background{ background-color: rgb(123,  
179, 197) }
```

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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