

Converting Colors

$Y_{xy}(40.8013, 0.2503, 0.3182)$

Have a look what the booklet for
Yxy(40.8013, 0.2503, 0.3182)
contains.

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Color

Yxy(40.9261, 0.2500, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	67B8BF
RGB	103, 184, 191
RGB Percent	40%, 72%, 75%
CMY	0.5959, 0.2785, 0.2509
CMYK	0.46, 0.04, 0.00, 0.25
HSL	185°, 41%, 58%
HSV	185°, 46%, 75%
XYZ	32.1443, 40.9261, 55.5067
YIQ	160.5790, -50.5230, -14.9950

Conversions

Conversions Part 2

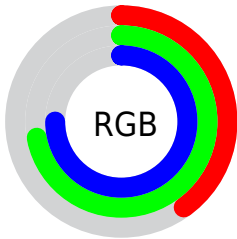
Format	Color
RYB	103, 145, 191
Decimal	6797503
CIELab	70.12, -22.87, -11.28
CIElCh	70, 25.497, 206.254
Yxy	40.9261, 0.2500, 0.3183
Android (android.graphics.Color)	4284987583 (0xFF67B8BF)
YUV	160.5790, 14.9976, -50.4968
Hunter-Lab	63.9735, -22.2641, -6.6616

Details

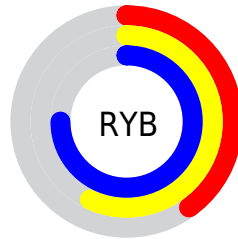
The Yxy color **40.9261, 0.2500, 0.3183** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2298, 0.4309, 0.3390**, and the grayscale version is **35.3892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4065, 0.2614, 0.3209**, and **18.6031, 0.2319, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **39.2929, 0.2400, 0.3156**, and if you desaturate by 10%, it is **42.8274, 0.2616, 0.3209**.

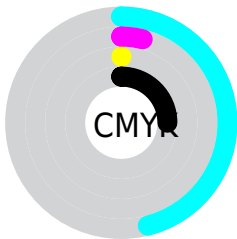
Distribution



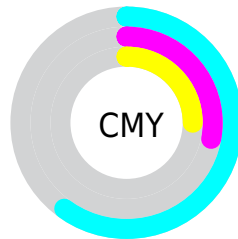
- Red (40%)
- Green (72%)
- Blue (75%)



- Red (40%)
- Yellow (57%)
- Blue (75%)



- Cyan (46%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)





- Cyan (60%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9261, 0.2500, 0.3183 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 40.9261, 0.2500, 0.3183 by changing the saturation by 10% instead.


 40.9261, 0.2500,
0.3183


 40.9261, 0.2500,
0.3183


350.0117, 0.2814,
0.3245

 28.2613, 0.2422,
0.3165


 76.5717, 0.2614,
0.3207


 18.5228, 0.2322,
0.3140


 100.3213, 0.2657,
0.3216

 11.3259, 0.2190,
0.3104


 128.5347, 0.2693,
0.3223

 6.2865, 0.2009,
0.3049

 161.5962, 0.2724,
0.3229

 3.0201, 0.1744,
0.2955

199.8903, 0.2751,
0.3234

 1.1422, 0.1243,
0.2799

243.8013, 0.2774,

 0.0137, 0.0000,

0.3238

0.0168

293.7136, 0.2795,
0.3242

0.0000, 0.0000,
0.0000

40.9261, 0.2500,
0.3183

40.9261, 0.2500,
0.3183

39.2929, 0.2400,
0.3156

42.8274, 0.2616,
0.3209

37.9051, 0.2319,
0.3129

45.0082, 0.2745,
0.3233

36.7444, 0.2256,
0.3102


47.4848, 0.2886,
0.3256

35.7874, 0.2212,
0.3075


50.2711, 0.3035,
0.3278

35.0044, 0.2185,
0.3048


53.3799, 0.3188,
0.3298

 34.7191, 0.2177,
0.3038

 56.8233, 0.3345,
0.3315

 60.6130, 0.3501,
0.3331

 64.5935, 0.3648,
0.3345

 65.2864, 0.3644,
0.3361

Harmonies

Analogous

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



40.9261, 0.2723, 0.3545



40.9261, 0.2500, 0.3183



40.9261, 0.2437, 0.2881

Triad

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



40.9261, 0.2500, 0.3183



40.9261, 0.3159, 0.2814



40.9261, 0.3730, 0.3872

Complementary

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



40.9261, 0.2500, 0.3183



23.2298, 0.4309, 0.3390

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.



40.9261, 0.3868, 0.3637



40.9261, 0.2500, 0.3183



40.9261, 0.3529, 0.3044

Square

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



40.9261, 0.2500, 0.3183



40.9261, 0.2800, 0.2693



40.9261, 0.3795, 0.3338



40.9261, 0.3430, 0.3959

Rectangle

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



40.9261, 0.2500, 0.3183



40.9261, 0.2489, 0.2752



40.9261, 0.3795, 0.3338



40.9261, 0.3797, 0.3806

Sweetspot

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



40.9277, 0.2500, 0.3183



85.8945, 0.2913, 0.3261



41.2601, 0.3025, 0.4624



18.6338, 0.2881, 0.3256



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.9277, 0.2500, 0.3183



70.4051, 0.2402, 0.3157



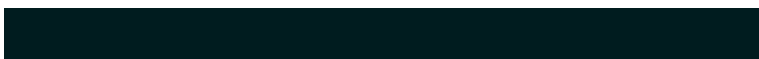
25.7510, 0.2378, 0.2493



10.6756, 0.2985, 0.3271



22.8666, 0.2178, 0.3041



0.9347, 0.2196, 0.3105

Inverse Universe

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



24.2515, 0.3258, 0.2257



37.3581, 0.3290, 0.2069



34.8104, 0.4021, 0.3963



9.6828, 0.3150, 0.3082



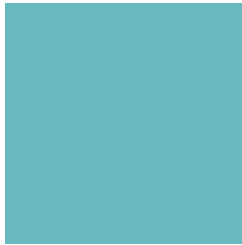
9.3381, 0.3418, 0.1657



0.3697, 0.3363, 0.1626

Previews

White Background



This preview shows how the Yxy color 40.9261, 0.2500, 0.3183 looks on a white background.

Color Contrast Check

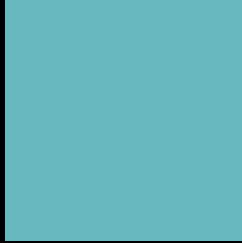
Large Text (above 18pt) WCAG AA × Fail

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 40.9261, 0.2500, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

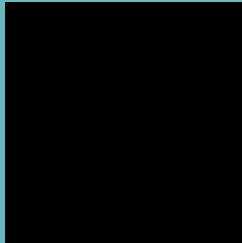
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

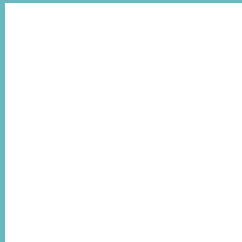
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9261, 0.2500, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 40.9261, 0.2500, 0.3183.



This preview shows how white text looks on a background with the Yxy color 40.9261, 0.2500, 0.3183.

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

40.9261, 0.2500, 0.3183

Protanopia

40.2994, 0.3028, 0.3112

Deuteranopia

40.4427, 0.2976, 0.2908



Tritanopia

40.9474, 0.2468, 0.3067

Trichromacy



Original Color

40.9261, 0.2500, 0.3183

Protanomaly

39.8859, 0.2807, 0.3132

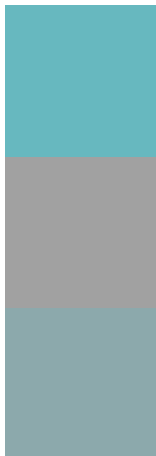
Deuteranomaly

40.1717, 0.2765, 0.2996

Tritanomaly

40.7502, 0.2480, 0.3110

Monochromacy



Original Color

40.9261, 0.2500, 0.3183

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.9299, 0.2851, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9261, 0.2500, 0.3183 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(103, 184, 191)` looks like.

```
.text, #text, p{  
    color:rgb(103, 184, 191)  
}
```

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(103, 184, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 184, 191) }
```

Border

The CSS property to change the border of an element to Yxy 40.9261, 0.2500, 0.3183 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(103, 184, 191) }
```

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

```
.border{ border-color:rgb(103, 184, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 184, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 184, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 184, 191);  
box-shadow:4px 4px 4px 4px rgb(103, 184,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9261, 0.2500, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 184, 191) }
```

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

```
.background{ background-color: rgb(103,  
184, 191) }
```

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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