

Converting Colors

$Y_{xy}(40.6109, 0.2567, 0.3187)$

Have a look what the booklet for
Yxy(40.6109, 0.2567, 0.3187)
contains.

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Color

Yxy(40.6407, 0.2564, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	71B6BD
RGB	113, 182, 189
RGB Percent	44%, 71%, 74%
CMY	0.5568, 0.2863, 0.2588
CMYK	0.40, 0.04, 0.00, 0.26
HSL	186°, 37%, 59%
HSV	186°, 40%, 74%
XYZ	32.7270, 40.6407, 54.2727
YIQ	162.1670, -43.3710, -12.4510

Conversions

Conversions Part 2

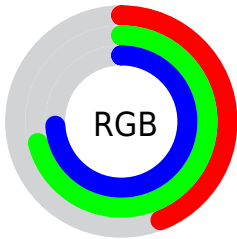
Format	Color
R _{YB}	113, 149, 189
Decimal	7452349
CIE _{Lab}	69.92, -19.91, -10.43
CIE _{LCh}	70, 22.477, 207.653
Y _{xy}	40.6407, 0.2564, 0.3184
Android (android.graphics.Color)	4285642429 (0xFF71B6BD)
Y _{UV}	162.1670, 13.2287, -43.1195
Hunter-Lab	63.7501, -19.9271, -5.8506

Details

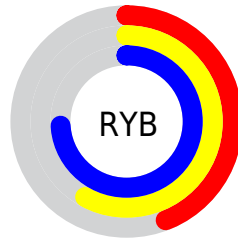
The Yxy color **40.6407, 0.2564, 0.3184** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.4582, 0.4088, 0.3391**, and the grayscale version is **36.1695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0665, 0.2667, 0.3209**, and **18.3776, 0.2399, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **38.8054, 0.2453, 0.3154**, and if you desaturate by 10%, it is **42.7492, 0.2689, 0.3213**.

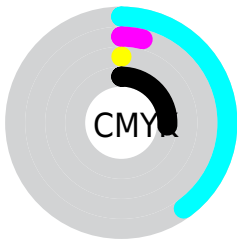
Distribution



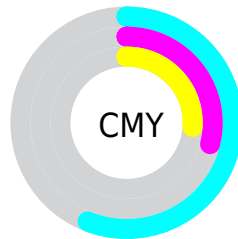
- Red (44%)
- Green (71%)
- Blue (74%)



- Red (44%)
- Yellow (58%)
- Blue (74%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)





- Cyan (56%)
- Magenta (29%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6407, 0.2564, 0.3184 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 40.6407, 0.2564, 0.3184 by changing the saturation by 10% instead.

 40.6407, 0.2564,
0.3184


 40.6407, 0.2564,
0.3184


348.8167, 0.2847,
0.3244

 28.0384, 0.2493,
0.3167


 76.1382, 0.2667,
0.3207

 18.3546, 0.2403,
0.3143


 99.8022, 0.2705,
0.3216

 11.2049, 0.2282,
0.3110


 127.9222, 0.2738,
0.3223

 6.2048, 0.2115,
0.3058

160.8827, 0.2766,
0.3228

 2.9700, 0.1869,
0.2971

199.0679, 0.2790,
0.3233

 1.1161, 0.1411,
0.2822

242.8624, 0.2811,

 0.0000, 0.0000,

0.3237

0.0000

292.6506, 0.2830,
0.3241

■ 40.6407, 0.2564,
0.3184

■ 40.6407, 0.2564,
0.3184

■ 38.8054, 0.2453,
0.3154

■ 42.7492, 0.2689,
0.3213

■ 37.2221, 0.2360,
0.3123

■ 45.1412, 0.2826,
0.3241

■ 35.8742, 0.2284,
0.3091


■ 47.8319, 0.2972,
0.3266

■ 34.7411, 0.2228,
0.3059

■ 50.8343, 0.3124,
0.3290

■ 33.7982, 0.2190,
0.3028


■ 54.1606, 0.3279,
0.3311

 33.0114, 0.2166,
0.2997

 57.8222, 0.3435,
0.3330

 61.8301, 0.3589,
0.3347

 64.3994, 0.3665,
0.3364

 65.1915, 0.3660,
0.3382

Harmonies

Analogous

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



40.6407, 0.2758, 0.3501



40.6407, 0.2564, 0.3184



40.6407, 0.2514, 0.2920

Triad

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



40.6407, 0.2564, 0.3184



40.6407, 0.3173, 0.2873



40.6407, 0.3651, 0.3813

Complementary

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



40.6407, 0.2564, 0.3184



25.4582, 0.4088, 0.3391

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.



40.6407, 0.3780, 0.3613



40.6407, 0.2564, 0.3184



40.6407, 0.3497, 0.3083

Square

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



40.6407, 0.2564, 0.3184



40.6407, 0.2852, 0.2760



40.6407, 0.3724, 0.3348



40.6407, 0.3383, 0.3878

Rectangle

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



40.6407, 0.2564, 0.3184



40.6407, 0.2566, 0.2807



40.6407, 0.3724, 0.3348



40.6407, 0.3713, 0.3758

Sweetspot

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



40.6423, 0.2564, 0.3184



84.6474, 0.2943, 0.3261



41.2557, 0.3029, 0.4405



18.0647, 0.2923, 0.3258



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.6423, 0.2564, 0.3184



69.9297, 0.2468, 0.3158



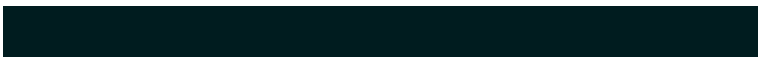
27.3436, 0.2472, 0.2592



10.6547, 0.2985, 0.3268



22.2661, 0.2167, 0.3001



0.9166, 0.2188, 0.3076

Inverse Universe

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



26.0147, 0.3249, 0.2392



40.5692, 0.3280, 0.2216



36.2481, 0.3878, 0.3895



9.6807, 0.3151, 0.3084



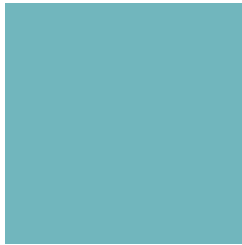
9.2775, 0.3453, 0.1676



0.3679, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 40.6407, 0.2564, 0.3184 looks on a white background.

Color Contrast Check

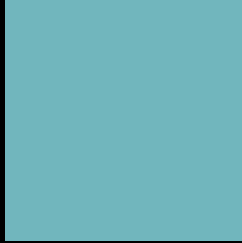
Large Text (above 18pt) WCAG AA × Fail

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 40.6407, 0.2564, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

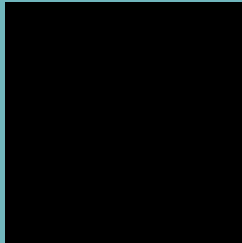
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6407, 0.2564, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 40.6407, 0.2564, 0.3184.



This preview shows how white text looks on a background with the Yxy color 40.6407, 0.2564, 0.3184.

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

40.6407, 0.2564, 0.3184

Protanopia

40.2582, 0.3036, 0.3126

Deuteranopia

40.3083, 0.3000, 0.2945



Tritanopia

40.6781, 0.2532, 0.3069

Trichromacy



Original Color

40.6407, 0.2564, 0.3184

Protanomaly

40.1224, 0.2838, 0.3147

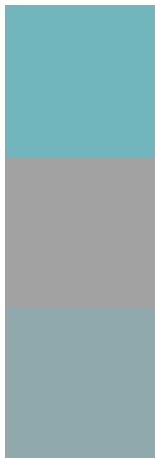
Deuteranomaly

40.0389, 0.2817, 0.3024

Tritanomaly

40.4754, 0.2544, 0.3111

Monochromacy



Original Color

40.6407, 0.2564, 0.3184

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.2838, 0.2884, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6407, 0.2564, 0.3184 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(113, 182, 189)` looks like.

```
.text, #text, p{  
    color:rgb(113, 182, 189)  
}
```

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(113, 182, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 182, 189) }
```

Border

The CSS property to change the border of an element to Yxy 40.6407, 0.2564, 0.3184 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(113, 182, 189) }
```

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

```
.border{ border-color:rgb(113, 182, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 182, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 182, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 182, 189);  
box-shadow:4px 4px 4px 4px rgb(113, 182,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6407, 0.2564, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 182, 189) }
```

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

```
.background{ background-color: rgb(113,  
182, 189) }
```

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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