

Converting Colors

$Y_{xy}(40.9907, 0.2410, 0.3033)$

Have a look what the booklet for
Yxy(40.9907, 0.2410, 0.3033)
contains.

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Color

Yxy(41.0394, 0.2414, 0.3037)

Conversions

Conversions Part 1

Format	Color
Hex	61B8C9
RGB	97, 184, 201
RGB Percent	38%, 72%, 79%
CMY	0.6193, 0.2785, 0.2117
CMYK	0.52, 0.08, 0.00, 0.21
HSL	190°, 49%, 58%
HSV	190°, 52%, 79%
XYZ	32.6207, 41.0394, 61.4713
YIQ	159.9250, -57.3090, -13.1570

Conversions

Conversions Part 2

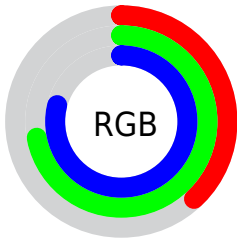
Format	Color
RYB	97, 144, 201
Decimal	6404297
CIELab	70.20, -21.50, -16.67
CIElCh	70, 27.204, 217.794
Yxy	41.0394, 0.2414, 0.3037
Android (android.graphics.Color)	4284594377 (0xFF61B8C9)
YUV	159.9250, 20.2500, -55.1852
Hunter-Lab	64.0620, -21.2153, -12.0488

Details

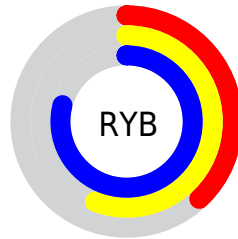
The Yxy color **41.0394, 0.2414, 0.3037** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.3445, 0.4475, 0.3513**, and the grayscale version is **35.0522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4102, 0.2552, 0.3119**, and **18.6625, 0.2219, 0.2956** is the 20% darker color. If you saturate the color by 10%, you get **38.7197, 0.2314, 0.2980**, and if you desaturate by 10%, it is **43.6739, 0.2530, 0.3092**.

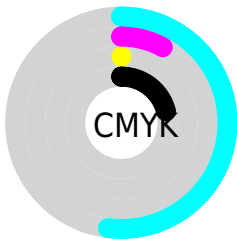
Distribution



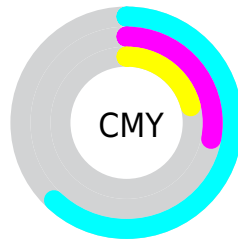
- Red (38%)
- Green (72%)
- Blue (79%)



- Red (38%)
- Yellow (56%)
- Blue (79%)



- Cyan (52%)
- Magenta (8%)
- Yellow (0%)
- Black (21%)



- Cyan (62%)
- Magenta (28%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0394, 0.2414, 0.3037 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 41.0394, 0.2414, 0.3037 by changing the saturation by 10% instead.


 41.0394, 0.2414,
0.3037

 41.0394, 0.2414,
0.3037


350.4853, 0.2768,
0.3174

 28.3499, 0.2327,
0.2999


 76.7437, 0.2542,
0.3089

 18.5896, 0.2216,
0.2949


 100.5273, 0.2590,
0.3108

 11.3741, 0.2071,
0.2880


 128.7776, 0.2631,
0.3124

 6.3190, 0.1874,
0.2778

 161.8792, 0.2666,
0.3137

 3.0400, 0.1593,
0.2615

200.2163, 0.2697,
0.3149

 1.1527, 0.1115,
0.2342

244.1735, 0.2724,

 0.0225, 0.0000,

0.3158

0.0183

294.1350, 0.2747,
0.3167

0.0000, 0.0000,
0.0000

41.0394, 0.2414,
0.3037

41.0394, 0.2414,
0.3037

38.7197, 0.2314,
0.2980

43.6739, 0.2530,
0.3092

36.6883, 0.2232,
0.2921

46.6381, 0.2660,
0.3145

34.9220, 0.2169,
0.2863

49.9512, 0.2801,
0.3195

33.3909, 0.2125,
0.2804

53.6298, 0.2949,
0.3241

32.2546, 0.2099,
0.2756

57.6892, 0.3101,
0.3283

■ 62.1436, 0.3255,
0.3321

■ 67.0069, 0.3408,
0.3356

■ 71.7380, 0.3537,
0.3387

■ 73.3844, 0.3530,
0.3420

Harmonies

Analogous

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



41.0394, 0.2588, 0.3413



41.0394, 0.2414, 0.3037



41.0394, 0.2417, 0.2766

Triad

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



41.0394, 0.2414, 0.3037



41.0394, 0.3318, 0.2867



41.0394, 0.3661, 0.3969

Complementary

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



41.0394, 0.2414, 0.3037



25.3445, 0.4475, 0.3513

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.



41.0394, 0.3885, 0.3766



41.0394, 0.2414, 0.3037



41.0394, 0.3685, 0.3142

Square

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



41.0394, 0.2414, 0.3037



41.0394, 0.2917, 0.2690



41.0394, 0.3897, 0.3464



41.0394, 0.3300, 0.3985

Rectangle

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



41.0394, 0.2414, 0.3037



41.0394, 0.2517, 0.2670



41.0394, 0.3897, 0.3464



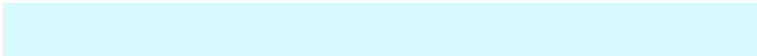
41.0394, 0.3755, 0.3918

Sweetspot

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



41.0410, 0.2414, 0.3037



88.8753, 0.2881, 0.3221



45.5129, 0.2965, 0.4687



18.7433, 0.2850, 0.3211



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.



41.0410, 0.2414, 0.3037



65.8487, 0.2303, 0.2973



23.6654, 0.2254, 0.2229



11.7602, 0.2984, 0.3251



20.3904, 0.2101, 0.2765



1.0466, 0.2135, 0.2885

Inverse Universe

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



24.4452, 0.3379, 0.2231



35.4535, 0.3448, 0.2049



40.0658, 0.4100, 0.4144



10.7856, 0.3162, 0.3099



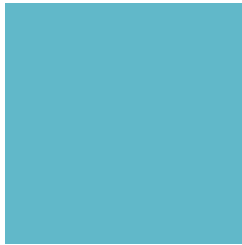
9.5984, 0.3667, 0.1794



0.4627, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 41.0394, 0.2414, 0.3037 looks on a white background.

Color Contrast Check

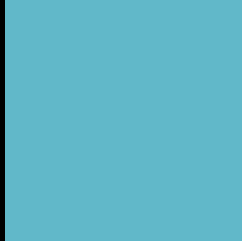
Large Text (above 18pt) WCAG AA × Fail

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 41.0394, 0.2414, 0.3037 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 41.0394, 0.2414, 0.3037

Background



This preview shows how black text looks on a background with the Yxy color 41.0394, 0.2414, 0.3037.



This preview shows how white text looks on a background with the Yxy color 41.0394, 0.2414, 0.3037.

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

41.0394, 0.2414, 0.3037

Protanopia

40.3972, 0.2923, 0.2979

Deuteranopia

40.5913, 0.2848, 0.2791



Tritanopia

40.8913, 0.2419, 0.3066

Trichromacy



Original Color

41.0394, 0.2414, 0.3037

Protanomaly

39.9630, 0.2706, 0.2993

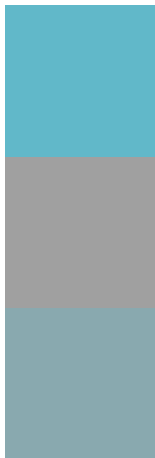
Deuteranomaly

40.0864, 0.2652, 0.2860

Tritanomaly

40.9379, 0.2414, 0.3051

Monochromacy



Original Color

41.0394, 0.2414, 0.3037

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7894, 0.2804, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0394, 0.2414, 0.3037 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(97, 184, 201)` looks like.

```
.text, #text, p{  
    color:rgb(97, 184, 201)  
}
```

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(97, 184, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 184, 201) }
```

Border

The CSS property to change the border of an element to Yxy 41.0394, 0.2414, 0.3037 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(97, 184, 201) }
```

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

```
.border{ border-color:rgb(97, 184, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 184, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 184, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 184, 201);  
box-shadow:4px 4px 4px 4px rgb(97, 184,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0394, 0.2414, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 184, 201) }
```

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

```
.background{ background-color: rgb(97, 184,  
201) }
```

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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