

Converting Colors

$Y_{xy}(40.7494, 0.2594, 0.3034)$

Have a look what the booklet for
Yxy(40.7494, 0.2594, 0.3034)
contains.

Yxy(40.7070, 0.2590, 0.3030)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7070, 0.2590, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	7EB3C5
RGB	126, 179, 197
RGB Percent	49%, 70%, 77%
CMY	0.5061, 0.2980, 0.2275
CMYK	0.36, 0.09, 0.00, 0.23
HSL	195°, 38%, 63%
HSV	195°, 36%, 77%
XYZ	34.7958, 40.7070, 58.8438
YIQ	165.2050, -37.3660, -5.6380

Conversions

Conversions Part 2

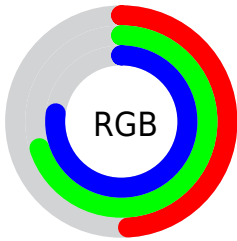
Format	Color
RYB	126, 156, 197
Decimal	8303557
CIELab	69.97, -12.88, -14.68
CIELCh	70, 19.531, 228.751
Yxy	40.7070, 0.2590, 0.3030
Android (android.graphics.Color)	4286493637 (0xFF7EB3C5)
YUV	165.2050, 15.6749, -34.3828
Hunter-Lab	63.8020, -14.3049, -10.0210

Details

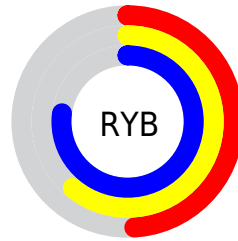
The Yxy color **40.7070, 0.2590, 0.3030** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.2999, 0.3899, 0.3533**, and the grayscale version is **37.6626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3962, 0.2687, 0.3080**, and **18.3213, 0.2438, 0.2945** is the 20% darker color. If you saturate the color by 10%, you get **37.3935, 0.2456, 0.2945**, and if you desaturate by 10%, it is **44.3908, 0.2733, 0.3110**.

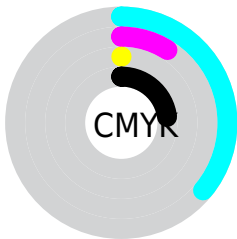
Distribution



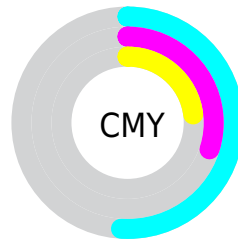
- Red (49%)
- Green (70%)
- Blue (77%)



- Red (49%)
- Yellow (61%)
- Blue (77%)



- Cyan (36%)
- Magenta (9%)
- Yellow (0%)
- Black (23%)



- Cyan (51%)
- Magenta (30%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7070, 0.2590, 0.3030 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 40.7070, 0.2590, 0.3030 by changing the saturation by 10% instead.

■ 40.7070, 0.2590,
0.3030

■ 40.7070, 0.2590,
0.3030

■ 349.0945, 0.2859,
0.3167

■ 28.0902, 0.2523,
0.2994

■ 76.2389, 0.2688,
0.3081

■ 18.3937, 0.2437,
0.2946

■ 99.9228, 0.2725,
0.3100

■ 11.2330, 0.2322,
0.2881

■ 128.0646, 0.2756,
0.3116

■ 6.2238, 0.2164,
0.2786

■ 161.0485, 0.2782,
0.3129

■ 2.9816, 0.1932,
0.2637

■ 199.2591, 0.2806,
0.3141

■ 1.1221, 0.1557,
0.2378

■ 243.0807, 0.2826,

■ 0.0000, 0.0000,

0.3151

0.0000

292.8977, 0.2844,
0.3159

■ 40.7070, 0.2590,
0.3030

■ 40.7070, 0.2590,
0.3030

■ 37.3935, 0.2456,
0.2945

■ 44.3908, 0.2733,
0.3110

■ 34.4274, 0.2336,
0.2855

■ 48.4568, 0.2882,
0.3184

■ 31.7902, 0.2231,
0.2763

■ 52.9221, 0.3034,
0.3252

■ 29.4596, 0.2144,
0.2669

■ 57.8015, 0.3187,
0.3313

■ 27.4095, 0.2077,
0.2574

■ 63.1085, 0.3338,
0.3368

■ 25.6074, 0.2029,
0.2481

■ 68.8564, 0.3485,
0.3417

■ 24.9414, 0.2012,
0.2445

■ 73.3413, 0.3559,
0.3465

■ 75.9025, 0.3548,
0.3515

■ 78.5416, 0.3537,
0.3564

Harmonies

Analogous

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



40.7070, 0.2674, 0.3281



40.7070, 0.2590, 0.3030



40.7070, 0.2641, 0.2866

Triad

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



40.7070, 0.2590, 0.3030



40.7070, 0.3370, 0.3048



40.7070, 0.3429, 0.3798

Complementary

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



40.7070, 0.2590, 0.3030



33.2999, 0.3899, 0.3533

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.



40.7070, 0.3631, 0.3705



40.7070, 0.2590, 0.3030



40.7070, 0.3599, 0.3272

Square

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



40.7070, 0.2590, 0.3030



40.7070, 0.3081, 0.2885



40.7070, 0.3696, 0.3510



40.7070, 0.3152, 0.3744

Rectangle

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



40.7070, 0.2590, 0.3030



40.7070, 0.2746, 0.2820



40.7070, 0.3696, 0.3510



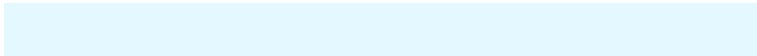
40.7070, 0.3509, 0.3782

Sweetspot

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



40.7086, 0.2590, 0.3030



90.6165, 0.2957, 0.3218



46.3672, 0.2961, 0.4089



19.1617, 0.2936, 0.3209



0.0000, 0.0000, 0.0000



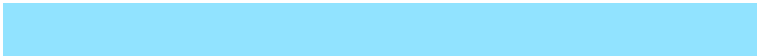
21.4041, 0.3127, 0.3290

Same Dimension

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



40.7086, 0.2590, 0.3030



68.3457, 0.2488, 0.2966



28.3213, 0.2516, 0.2491



11.5954, 0.2984, 0.3230



16.5448, 0.2016, 0.2457



0.8941, 0.2070, 0.2651

Inverse Universe

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



30.0333, 0.3356, 0.2610



47.1777, 0.3420, 0.2470



45.7090, 0.3737, 0.3977



10.7690, 0.3176, 0.3119



9.2102, 0.3965, 0.1958



0.4473, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 40.7070, 0.2590, 0.3030 looks on a white background.

Color Contrast Check

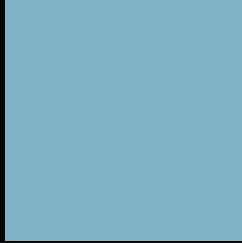
Large Text (above 18pt) WCAG AA × Fail

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 40.7070, 0.2590, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

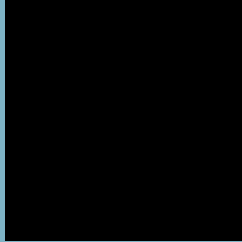
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7070, 0.2590, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 40.7070, 0.2590, 0.3030.



This preview shows how white text looks on a background with the Yxy color 40.7070, 0.2590, 0.3030.

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

40.7070, 0.2590, 0.3030

Protanopia

40.3530, 0.2931, 0.2992

Deuteranopia

40.3268, 0.2911, 0.2842



Tritanopia

40.8975, 0.2604, 0.3086

Trichromacy



Original Color

40.7070, 0.2590, 0.3030

Protanomaly

40.4128, 0.2796, 0.3011

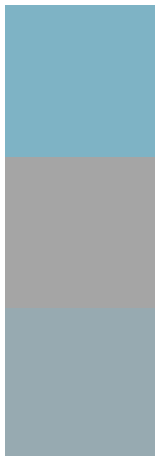
Deuteranomaly

40.3173, 0.2782, 0.2907

Tritanomaly

40.9426, 0.2598, 0.3072

Monochromacy



Original Color

40.7070, 0.2590, 0.3030

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5031, 0.2904, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7070, 0.2590, 0.3030 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(126, 179, 197)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 179, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 179, 197) }
```

Border

The CSS property to change the border of an element to Yxy 40.7070, 0.2590, 0.3030 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(126, 179, 197) }
```

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

```
.border{ border-color:rgb(126, 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(126, 179, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 179, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 179, 197);  
box-shadow:4px 4px 4px 4px rgb(126, 179,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7070, 0.2590, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 179, 197) }
```

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

```
.background{ background-color: rgb(126,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor