

Converting Colors

$Y_{xy}(40.2615, 0.2505, 0.2858)$

Have a look what the booklet for
Yxy(40.2615, 0.2505, 0.2858)
contains.

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Color

Yxy(40.2093, 0.2501, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	7BB1D0
RGB	123, 177, 208
RGB Percent	48%, 69%, 82%
CMY	0.5174, 0.3059, 0.1842
CMYK	0.41, 0.15, 0.00, 0.18
HSL	202°, 47%, 65%
HSV	202°, 41%, 82%
XYZ	35.2854, 40.2093, 65.5905
YIQ	164.3880, -42.1350, -1.8070

Conversions

Conversions Part 2

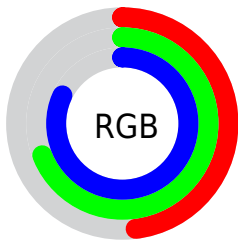
Format	Color
R_{YB}	123, 156, 208
Decimal	8106448
CIE _{Lab}	69.62, -9.69, -21.29
CIE _{LCh}	70, 23.394, 245.529
Yxy	40.2093, 0.2501, 0.2850
Android (android.graphics.Color)	4286296528 (0xFF7BB1D0)
YUV	164.3880, 21.5007, -36.2973
Hunter-Lab	63.4108, -11.6412, -16.9405

Details

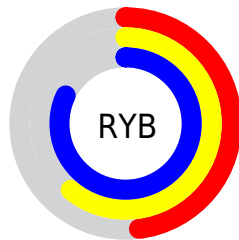
The Yxy color **40.2093, 0.2501, 0.2850** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.9932, 0.3994, 0.3685**, and the grayscale version is **37.2376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9628, 0.2663, 0.3046**, and **18.0136, 0.2322, 0.2699** is the 20% darker color. If you saturate the color by 10%, you get **35.9160, 0.2360, 0.2720**, and if you desaturate by 10%, it is **44.9989, 0.2651, 0.2972**.

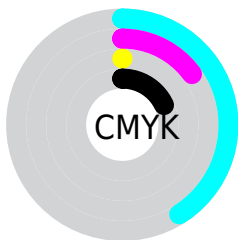
Distribution



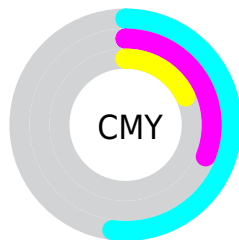
- Red (48%)
- Green (69%)
- Blue (82%)



- Red (48%)
- Yellow (61%)
- Blue (82%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (18%)



- Cyan (52%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2093, 0.2501, 0.2850 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 40.2093, 0.2501, 0.2850 by changing the saturation by 10% instead.

■ 40.2093, 0.2501,
0.2850

■ 40.2093, 0.2501,
0.2850

■ 347.0049, 0.2814,
0.3077

■ 27.7018, 0.2424,
0.2791

■ 75.4821, 0.2614,
0.2934

■ 18.1010, 0.2325,
0.2715

■ 99.0162, 0.2657,
0.2965

■ 11.0225, 0.2194,
0.2613

■ 126.9946, 0.2693,
0.2991

■ 6.0820, 0.2016,
0.2469

■ 159.8017, 0.2724,
0.3014

■ 2.8950, 0.1760,
0.2252

■ 197.8219, 0.2751,
0.3033

■ 1.0772, 0.1368,
0.1899

■ 241.4395, 0.2775,

■ 0.0000, 0.0000,

0.3050

0.0000

291.0391, 0.2796,
0.3064

■ 40.2093, 0.2501,
0.2850

■ 40.2093, 0.2501,
0.2850

■ 35.9160, 0.2360,
0.2720

■ 44.9989, 0.2651,
0.2972

■ 32.0909, 0.2230,
0.2583

■ 50.3019, 0.2805,
0.3086

■ 28.7095, 0.2117,
0.2443

■ 56.1399, 0.2961,
0.3189

■ 25.7426, 0.2023,
0.2302

■ 62.5317, 0.3114,
0.3283

■ 23.1554, 0.1950,
0.2162

■ 69.4951, 0.3264,
0.3366

■ 21.0635, 0.1899,
0.2037

■ 77.0471, 0.3409,
0.3441

■ 82.5140, 0.3448,
0.3514

■ 86.8416, 0.3435,
0.3588

■ 91.3559, 0.3422,
0.3660

Harmonies

Analogous

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



40.2093, 0.2511, 0.3097



40.2093, 0.2501, 0.2850



40.2093, 0.2646, 0.2734

Triad

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



40.2093, 0.2501, 0.2850



40.2093, 0.3589, 0.3143



40.2093, 0.3306, 0.3893

Complementary

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



40.2093, 0.2501, 0.2850



37.9932, 0.3994, 0.3685

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.



40.2093, 0.3612, 0.3870



40.2093, 0.2501, 0.2850



40.2093, 0.3785, 0.3424

Square

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



40.2093, 0.2501, 0.2850



40.2093, 0.3267, 0.2905



40.2093, 0.3791, 0.3690



40.2093, 0.2964, 0.3727

Rectangle

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



40.2093, 0.2501, 0.2850



40.2093, 0.2818, 0.2735



40.2093, 0.3791, 0.3690



40.2093, 0.3417, 0.3906

Sweetspot

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



40.2108, 0.2501, 0.2850



87.7245, 0.2940, 0.3176



51.6333, 0.2890, 0.4091



18.5075, 0.2920, 0.3163



0.0000, 0.0000, 0.0000



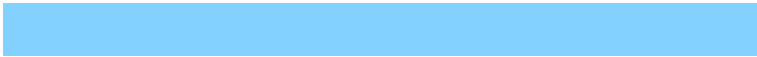
21.4041, 0.3127, 0.3290

Same Dimension

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



40.2108, 0.2501, 0.2850



57.7421, 0.2377, 0.2737



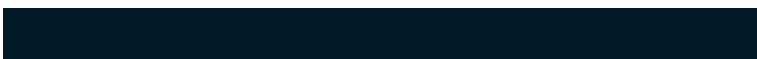
26.3285, 0.2403, 0.2232



12.6505, 0.2983, 0.3203



13.3143, 0.1905, 0.2056



0.8928, 0.1975, 0.2308

Inverse Universe

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



30.7715, 0.3503, 0.2626



41.8593, 0.3617, 0.2491



54.0017, 0.3789, 0.4161



11.9327, 0.3193, 0.3144



9.4154, 0.4390, 0.2192



0.5414, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 40.2093, 0.2501, 0.2850 looks on a white background.

Color Contrast Check

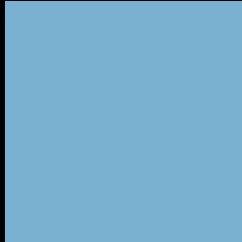
Large Text (above 18pt) WCAG AA × Fail

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 40.2093, 0.2501, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

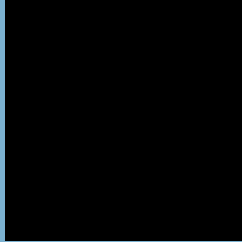
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2093, 0.2501, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 40.2093, 0.2501, 0.2850.



This preview shows how white text looks on a background with the Yxy color 40.2093, 0.2501, 0.2850.

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

40.2093, 0.2501, 0.2850

Protanopia

39.9509, 0.2806, 0.2833

Deuteranopia

39.9249, 0.2770, 0.2712



Tritanopia

40.0572, 0.2564, 0.3069

Trichromacy



Original Color

40.2093, 0.2501, 0.2850

Protanomaly

39.7814, 0.2686, 0.2836

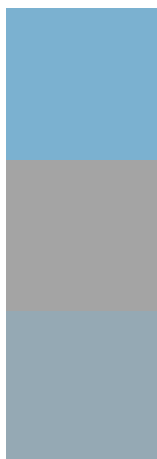
Deuteranomaly

39.8369, 0.2666, 0.2761

Tritanomaly

39.9574, 0.2538, 0.2984

Monochromacy



Original Color

40.2093, 0.2501, 0.2850

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.0608, 0.2864, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2093, 0.2501, 0.2850 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, 177, 208)` looks like.

```
.text, #text, p{  
    color:rgb(123, 177, 208)  
}
```

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, 177, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 177, 208) }
```

Border

The CSS property to change the border of an element to Yxy 40.2093, 0.2501, 0.2850 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, 177, 208) }
```

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

```
.border{ border-color:rgb(123, 177, 208) }
```

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

Here you see how a box with a 4 pixel rgb(123, 177, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 177, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 177, 208);  
box-shadow:4px 4px 4px 4px rgb(123, 177,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2093, 0.2501, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 177, 208) }
```

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

```
.background{ background-color: rgb(123,  
177, 208) }
```

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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