

Converting Colors

$Y_{xy}(40.8892, 0.2409, 0.2610)$

Have a look what the booklet for
Yxy(40.8892, 0.2409, 0.2610)
contains.

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Color

Yxy(40.9016, 0.2410, 0.2614)

Conversions

Conversions Part 1

Format	Color
Hex	7DB0E2
RGB	125, 176, 226
RGB Percent	49%, 69%, 89%
CMY	0.5098, 0.3098, 0.1137
CMYK	0.45, 0.22, 0.00, 0.11
HSL	210°, 64%, 69%
HSV	210°, 45%, 89%
XYZ	37.7096, 40.9016, 77.8601
YIQ	166.4510, -46.4460, 4.7380

Conversions

Conversions Part 2

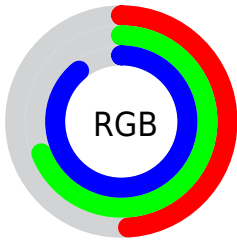
Format	Color
RYB	125, 159, 226
Decimal	8237282
CIELab	70.11, -3.75, -30.39
CIELCh	70, 30.617, 262.967
Yxy	40.9016, 0.2410, 0.2614
Android (android.graphics.Color)	4286427362 (0xFF7DB0E2)
YUV	166.4510, 29.3577, -36.3525
Hunter-Lab	63.9544, -6.6707, -27.4135

Details

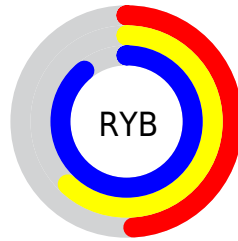
The Yxy color **40.9016, 0.2410, 0.2614** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.3080, 0.4039, 0.3872**, and the grayscale version is **38.2352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1956, 0.2677, 0.3024**, and **18.5828, 0.2219, 0.2438** is the 20% darker color. If you saturate the color by 10%, you get **35.1834, 0.2255, 0.2428**, and if you desaturate by 10%, it is **47.3714, 0.2572, 0.2789**.

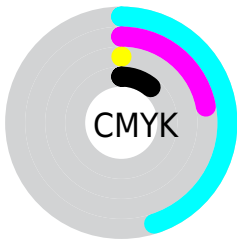
Distribution



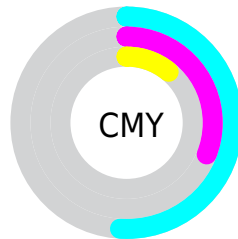
- Red (49%)
- Green (69%)
- Blue (89%)



- Red (49%)
- Yellow (62%)
- Blue (89%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (51%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9016, 0.2410, 0.2614 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 40.9016, 0.2410, 0.2614 by changing the saturation by 10% instead.

■ 40.9016, 0.2410,
0.2614

■ 40.9016, 0.2410,
0.2614

■ 349.9092, 0.2766,
0.2953

■ 28.2422, 0.2323,
0.2530

■ 76.5345, 0.2538,
0.2737

■ 18.5083, 0.2214,
0.2424

■ 100.2768, 0.2586,
0.2783

■ 11.3155, 0.2072,
0.2284

■ 128.4822, 0.2628,
0.2822

■ 6.2795, 0.1881,
0.2095

■ 161.5350, 0.2663,
0.2856

■ 3.0158, 0.1615,
0.1828

■ 199.8198, 0.2694,
0.2885

■ 1.1400, 0.1231,
0.1433

■ 243.7208, 0.2721,

■ 0.0118, 0.0000,

0.2911

0.0044

293.6225, 0.2744,
0.2933

0.0000, 0.0000,
0.0000

40.9016, 0.2410,
0.2614

40.9016, 0.2410,
0.2614

35.1834, 0.2255,
0.2428

47.3714, 0.2572,
0.2789

30.1768, 0.2113,
0.2236

54.6207, 0.2736,
0.2951

25.8446, 0.1987,
0.2041

62.6812, 0.2898,
0.3099

22.1426, 0.1884,
0.1849

71.5812, 0.3055,
0.3232

19.0185, 0.1805,
0.1666

81.3477, 0.3206,
0.3351

■ 17.5551, 0.1770,
0.1573

■ 90.9289, 0.3311,
0.3459

■ 97.8350, 0.3298,
0.3565

■ 98.2711, 0.3298,
0.3572

Harmonies

Analogous

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



40.9016, 0.2307, 0.2828



40.9016, 0.2410, 0.2614



40.9016, 0.2694, 0.2578

Triad

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



40.9016, 0.2410, 0.2614



40.9016, 0.3907, 0.3300



40.9016, 0.3091, 0.3990

Complementary

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



40.9016, 0.2410, 0.2614



48.3080, 0.4039, 0.3872

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.



40.9016, 0.3530, 0.4098



40.9016, 0.2410, 0.2614



40.9016, 0.4021, 0.3658

Square

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



40.9016, 0.2410, 0.2614



40.9016, 0.3564, 0.2961



40.9016, 0.3876, 0.3957



40.9016, 0.2681, 0.3644

Rectangle

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



40.9016, 0.2410, 0.2614



40.9016, 0.2963, 0.2646



40.9016, 0.3876, 0.3957



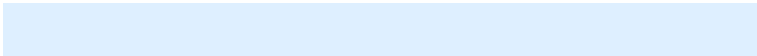
40.9016, 0.3241, 0.4056

Sweetspot

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



40.9031, 0.2410, 0.2614



84.2194, 0.2923, 0.3122



61.8028, 0.2798, 0.3996



17.4938, 0.2888, 0.3090



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.



40.9031, 0.2410, 0.2614



46.4945, 0.2260, 0.2435



24.9471, 0.2289, 0.1921



14.3816, 0.2981, 0.3171



10.2530, 0.1778, 0.1600



0.8898, 0.1855, 0.1877

Inverse Universe

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



33.9704, 0.3702, 0.2703



37.6335, 0.3891, 0.2588



71.1330, 0.3796, 0.4369



13.8155, 0.3213, 0.3172



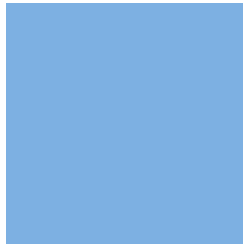
9.9431, 0.4931, 0.2490



0.7073, 0.4594, 0.2304

Previews

White Background



This preview shows how the Yxy color 40.9016, 0.2410, 0.2614 looks on a white background.

Color Contrast Check

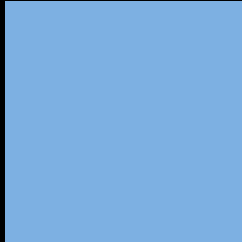
Large Text (above 18pt) WCAG AA × Fail

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 40.9016, 0.2410, 0.2614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

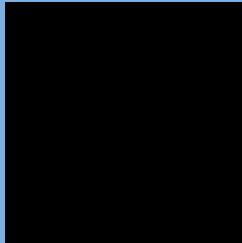
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

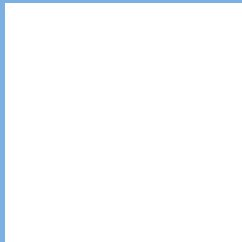
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9016, 0.2410, 0.2614

Background



This preview shows how black text looks on a background with the Yxy color 40.9016, 0.2410, 0.2614.

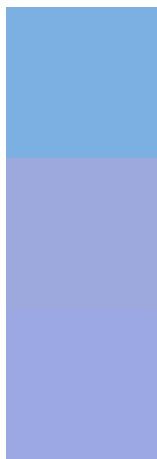


This preview shows how white text looks on a background with the Yxy color 40.9016, 0.2410, 0.2614.

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

40.9016, 0.2410, 0.2614

Protanopia

40.7645, 0.2637, 0.2613

Deuteranopia

40.6746, 0.2584, 0.2519



Tritanopia

40.7463, 0.2538, 0.3069

Trichromacy



Original Color

40.9016, 0.2410, 0.2614

Protanomaly

40.8525, 0.2545, 0.2615

Deuteranomaly

40.6916, 0.2519, 0.2556

Tritanomaly

40.6671, 0.2487, 0.2890

Monochromacy



Original Color

40.9016, 0.2410, 0.2614

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9596, 0.2821, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9016, 0.2410, 0.2614 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(125, 176, 226)` looks like.

```
.text, #text, p{  
    color:rgb(125, 176, 226)  
}
```

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(125, 176, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 176, 226) }
```

Border

The CSS property to change the border of an element to Yxy 40.9016, 0.2410, 0.2614 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(125, 176, 226) }
```

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

```
.border{ border-color:rgb(125, 176, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 176, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 176, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 176, 226);  
box-shadow:4px 4px 4px 4px rgb(125, 176,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9016, 0.2410, 0.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 176, 226) }
```

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

```
.background{ background-color: rgb(125,  
176, 226) }
```

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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