

Converting Colors

$Yxy(41.1375, 0.2619, 0.2836)$

Have a look what the booklet for
Yxy(41.1375, 0.2619, 0.2836)
contains.

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Color

Yxy(40.9648, 0.2622, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	8EAFD0
RGB	142, 175, 208
RGB Percent	56%, 69%, 82%
CMY	0.4431, 0.3137, 0.1842
CMYK	0.32, 0.16, 0.00, 0.18
HSL	210°, 41%, 69%
HSV	210°, 32%, 82%
XYZ	37.8737, 40.9648, 65.6072
YIQ	168.8950, -30.2610, 3.2670

Conversions

Conversions Part 2

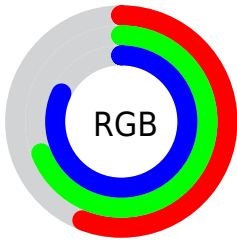
Format	Color
R_{YB}	142, 164, 208
Decimal	9351120
CIE _{Lab}	70.15, -3.41, -20.39
CIE _{LCh}	70, 20.671, 260.511
Yxy	40.9648, 0.2622, 0.2836
Android (android.graphics.Color)	4287541200 (0xFF8EAFD0)
YUV	168.8950, 19.2788, -23.5869
Hunter-Lab	64.0037, -6.3807, -15.9728

Details

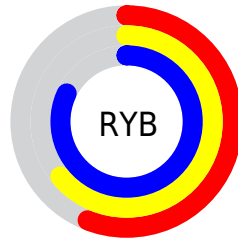
The Yxy color **40.9648, 0.2622, 0.2836** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.0426, 0.3719, 0.3703**, and the grayscale version is **39.5373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6839, 0.2768, 0.3020**, and **18.6229, 0.2472, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **35.3982, 0.2459, 0.2664**, and if you desaturate by 10%, it is **47.1903, 0.2785, 0.2995**.

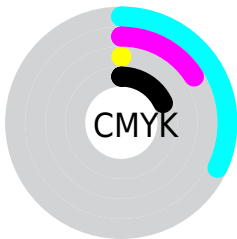
Distribution



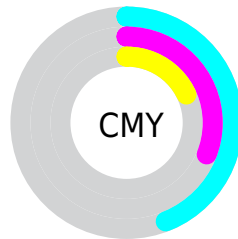
- Red (56%)
- Green (69%)
- Blue (82%)



- Red (56%)
- Yellow (64%)
- Blue (82%)



- Cyan (32%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)




- Cyan (44%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9648, 0.2622, 0.2836 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 40.9648, 0.2622, 0.2836 by changing the saturation by 10% instead.

 40.9648, 0.2622,
0.2836


 40.9648, 0.2622,
0.2836


350.1735, 0.2876,
0.3067

 28.2916, 0.2559,
0.2778


 76.6305, 0.2714,
0.2920

 18.5456, 0.2478,
0.2703


 100.3917, 0.2749,
0.2952

 11.3424, 0.2370,
0.2602

128.6177, 0.2778,
0.2979

 6.2976, 0.2222,
0.2462

161.6929, 0.2803,
0.3001

 3.0269, 0.2006,
0.2255

200.0017, 0.2825,
0.3021

 1.1458, 0.1667,
0.1923

243.9285, 0.2844,

 0.0167, 0.0000,

0.3038

0.0108

293.8576, 0.2861,
0.3053

0.0000, 0.0000,
0.0000

40.9648, 0.2622,
0.2836

40.9648, 0.2622,
0.2836

35.3982, 0.2459,
0.2664

47.1903, 0.2785,
0.2995

30.4596, 0.2302,
0.2480

54.0943, 0.2946,
0.3139

26.1223, 0.2155,
0.2288

61.7014, 0.3101,
0.3269

22.3552, 0.2023,
0.2092

70.0334, 0.3249,
0.3384

19.1237, 0.1912,
0.1898

79.1112, 0.3388,
0.3486

■ 16.3873, 0.1824,
0.1710

■ 86.6427, 0.3435,
0.3584

■ 14.4478, 0.1768,
0.1563

■ 92.8607, 0.3417,
0.3684

■ 97.3358, 0.3405,
0.3750

Harmonies

Analogous

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



40.9648, 0.2560, 0.3001



40.9648, 0.2622, 0.2836



40.9648, 0.2814, 0.2794

Triad

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



40.9648, 0.2622, 0.2836



40.9648, 0.3636, 0.3285



40.9648, 0.3135, 0.3763

Complementary

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



40.9648, 0.2622, 0.2836



46.0426, 0.3719, 0.3703

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.



40.9648, 0.3430, 0.3828



40.9648, 0.2622, 0.2836



40.9648, 0.3729, 0.3534

Square

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



40.9648, 0.2622, 0.2836



40.9648, 0.3400, 0.3048



40.9648, 0.3650, 0.3737



40.9648, 0.2847, 0.3549

Rectangle

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



40.9648, 0.2622, 0.2836



40.9648, 0.2996, 0.2833



40.9648, 0.3650, 0.3737



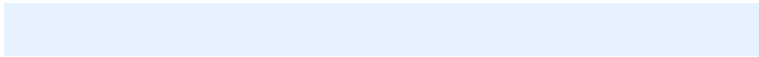
40.9648, 0.3236, 0.3803

Sweetspot

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



40.9664, 0.2622, 0.2836



87.6092, 0.2971, 0.3161



53.9756, 0.2874, 0.3742



18.3991, 0.2949, 0.3142



0.0000, 0.0000, 0.0000



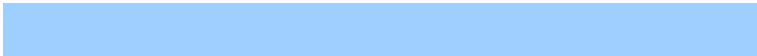
21.4041, 0.3127, 0.3290

Same Dimension

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



40.9664, 0.2622, 0.2836



58.8936, 0.2513, 0.2722



29.6533, 0.2565, 0.2361



12.3797, 0.2982, 0.3171



9.1947, 0.1775, 0.1588



0.6728, 0.1867, 0.1921

Inverse Universe

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



35.8566, 0.3489, 0.2881



50.2295, 0.3595, 0.2792



60.4969, 0.3603, 0.4076



11.9054, 0.3213, 0.3174



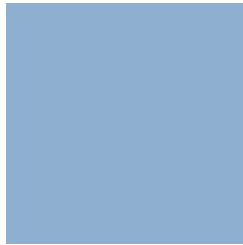
8.9995, 0.4946, 0.2498



0.5192, 0.4543, 0.2276

Previews

White Background



This preview shows how the Yxy color 40.9648, 0.2622, 0.2836 looks on a white background.

Color Contrast Check

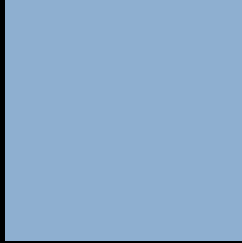
Large Text (above 18pt) WCAG AA × Fail

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 40.9648, 0.2622, 0.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

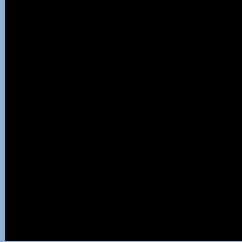
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

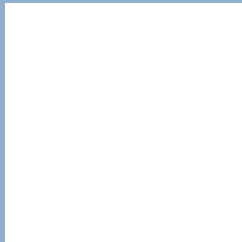
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9648, 0.2622, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 40.9648, 0.2622, 0.2836.

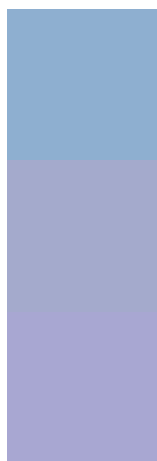


This preview shows how white text looks on a background with the Yxy color 40.9648, 0.2622, 0.2836.

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

40.9648, 0.2622, 0.2836

Protanopia

41.0016, 0.2809, 0.2838

Deuteranopia

40.6154, 0.2795, 0.2729



Tritanopia

41.0498, 0.2703, 0.3090

Trichromacy



Original Color

40.9648, 0.2622, 0.2836

Protanomaly

40.9807, 0.2741, 0.2845

Deuteranomaly

40.7238, 0.2734, 0.2771

Tritanomaly

41.0105, 0.2669, 0.2994

Monochromacy



Original Color

40.9648, 0.2622, 0.2836

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.9156, 0.2926, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9648, 0.2622, 0.2836 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(142, 175, 208)` looks like.

```
.text, #text, p{  
    color:rgb(142, 175, 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(142, 175, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 175, 208) }
```

Border

The CSS property to change the border of an element to Yxy 40.9648, 0.2622, 0.2836 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(142, 175, 208) }
```

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

```
.border{ border-color:rgb(142, 175, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 175, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 175, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 175, 208);  
box-shadow:4px 4px 4px 4px rgb(142, 175,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9648, 0.2622, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 175, 208) }
```

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

```
.background{ background-color: rgb(142,  
175, 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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