

Converting Colors

$Y_{xy}(40.1370, 0.2612, 0.2758)$

Have a look what the booklet for
Yxy(40.1370, 0.2612, 0.2758)
contains.

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Color

Yxy(40.1375, 0.2612, 0.2758)

Conversions

Conversions Part 1

Format	Color
Hex	90ACD3
RGB	144, 172, 211
RGB Percent	56%, 67%, 83%
CMY	0.4353, 0.3255, 0.1725
CMYK	0.32, 0.18, 0.00, 0.17
HSL	215°, 43%, 70%
HSV	215°, 32%, 83%
XYZ	38.0127, 40.1375, 67.3809
YIQ	168.0740, -29.2070, 6.1930

Conversions

Conversions Part 2

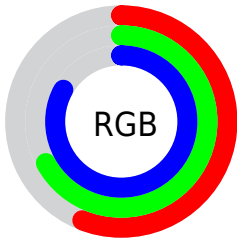
Format	Color
RYB	144, 164, 211
Decimal	9481427
CIELab	69.57, -0.44, -22.90
CIElCh	70, 22.908, 268.896
Yxy	40.1375, 0.2612, 0.2758
Android (android.graphics.Color)	4287671507 (0xFF90ACD3)
YUV	168.0740, 21.1625, -21.1129
Hunter-Lab	63.3542, -3.7691, -18.7105

Details

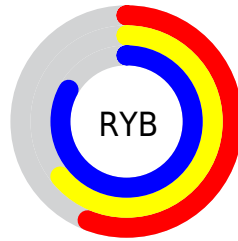
The Yxy color **40.1375, 0.2612, 0.2758** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.7359, 0.3700, 0.3768**, and the grayscale version is **39.1018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3003, 0.2778, 0.2988**, and **18.0574, 0.2464, 0.2612** is the 20% darker color. If you saturate the color by 10%, you get **33.9515, 0.2441, 0.2555**, and if you desaturate by 10%, it is **47.1140, 0.2781, 0.2945**.

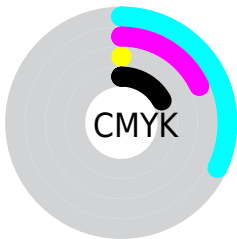
Distribution



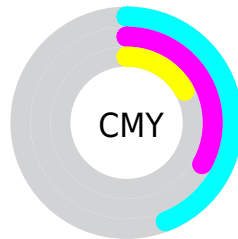
- Red (56%)
- Green (67%)
- Blue (83%)



- Red (56%)
- Yellow (64%)
- Blue (83%)



- Cyan (32%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (44%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1375, 0.2612, 0.2758 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 40.1375, 0.2612, 0.2758 by changing the saturation by 10% instead.

■ 40.1375, 0.2612,
0.2758

■ 40.1375, 0.2612,
0.2758

■ 346.7028, 0.2872,
0.3027

■ 27.6458, 0.2547,
0.2691

■ 75.3728, 0.2707,
0.2856

■ 18.0588, 0.2464,
0.2604

■ 98.8853, 0.2742,
0.2893

■ 10.9922, 0.2353,
0.2490

■ 126.8400, 0.2772,
0.2924

■ 6.0616, 0.2201,
0.2331

■ 159.6215, 0.2798,
0.2950

■ 2.8826, 0.1978,
0.2099

■ 197.6141, 0.2820,
0.2973

■ 1.0707, 0.1630,
0.1736

■ 241.2023, 0.2839,

■ 0.0000, 0.0000,

0.2993

0.0000

290.7704, 0.2857,
0.3011

■ 40.1375, 0.2612,
0.2758

■ 40.1375, 0.2612,
0.2758

■ 33.9515, 0.2441,
0.2555

■ 47.1140, 0.2781,
0.2945

■ 28.5198, 0.2273,
0.2339

■ 54.9057, 0.2945,
0.3114

■ 23.8100, 0.2115,
0.2115

■ 63.5421, 0.3101,
0.3265

■ 19.7850, 0.1972,
0.1888

■ 73.0496, 0.3247,
0.3399

■ 16.4037, 0.1850,
0.1666

■ 83.4533, 0.3383,
0.3518

■ 13.6184, 0.1755,
0.1458

■ 91.6961, 0.3402,
0.3633

■ 11.7126, 0.1695,
0.1300

■ 97.4839, 0.3388,
0.3720

Harmonies

Analogous

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



40.1375, 0.2502, 0.2902



40.1375, 0.2612, 0.2758



40.1375, 0.2858, 0.2751

Triad

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



40.1375, 0.2612, 0.2758



40.1375, 0.3744, 0.3360



40.1375, 0.3040, 0.3768

Complementary

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



40.1375, 0.2612, 0.2758



49.7359, 0.3700, 0.3768

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.



40.1375, 0.3375, 0.3891



40.1375, 0.2612, 0.2758



40.1375, 0.3793, 0.3630

Square

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



40.1375, 0.2612, 0.2758



40.1375, 0.3518, 0.3089



40.1375, 0.3654, 0.3831



40.1375, 0.2739, 0.3493

Rectangle

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



40.1375, 0.2612, 0.2758



40.1375, 0.3073, 0.2819



40.1375, 0.3654, 0.3831



40.1375, 0.3152, 0.3829

Sweetspot

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



40.1391, 0.2612, 0.2758



86.3723, 0.2971, 0.3140



55.9014, 0.2847, 0.3680



18.1003, 0.2949, 0.3117



0.0000, 0.0000, 0.0000



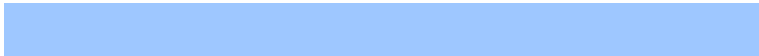
21.4041, 0.3127, 0.3290

Same Dimension

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



40.1391, 0.2612, 0.2758



55.1586, 0.2498, 0.2625



30.9893, 0.2601, 0.2368



12.2178, 0.2982, 0.3151



7.2598, 0.1702, 0.1328



0.5611, 0.1804, 0.1692

Inverse Universe

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



36.7757, 0.3547, 0.2945



49.8524, 0.3671, 0.2871



61.8097, 0.3567, 0.4087



11.8890, 0.3226, 0.3193



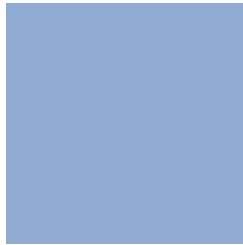
8.8042, 0.5288, 0.2687



0.5079, 0.4816, 0.2427

Previews

White Background



This preview shows how the Yxy color 40.1375, 0.2612, 0.2758 looks on a white background.

Color Contrast Check

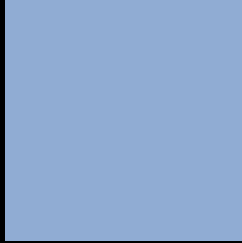
Large Text (above 18pt) WCAG AA × Fail

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 40.1375, 0.2612, 0.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

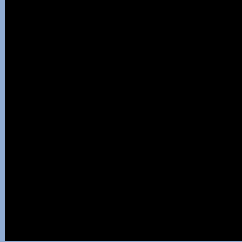
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

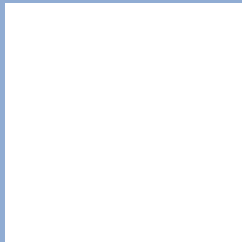
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1375, 0.2612, 0.2758

Background



This preview shows how black text looks on a background with the Yxy color 40.1375, 0.2612, 0.2758.

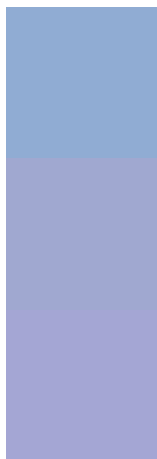


This preview shows how white text looks on a background with the Yxy color 40.1375, 0.2612, 0.2758.

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

40.1375, 0.2612, 0.2758

Protanopia

40.0329, 0.2747, 0.2757

Deuteranopia

39.9184, 0.2748, 0.2687



Tritanopia

40.2573, 0.2721, 0.3089

Trichromacy



Original Color

40.1375, 0.2612, 0.2758

Protanomaly

39.8494, 0.2694, 0.2751

Deuteranomaly

39.9268, 0.2696, 0.2705

Tritanomaly

40.3999, 0.2680, 0.2966

Monochromacy



Original Color

40.1375, 0.2612, 0.2758

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.2076, 0.2917, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1375, 0.2612, 0.2758 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(144, 172, 211)` looks like.

```
.text, #text, p{  
    color:rgb(144, 172, 211)  
}
```

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(144, 172, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 172, 211) }
```

Border

The CSS property to change the border of an element to Yxy 40.1375, 0.2612, 0.2758 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(144, 172, 211) }
```

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

```
.border{ border-color:rgb(144, 172, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 172, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 172, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 172, 211);  
box-shadow:4px 4px 4px 4px rgb(144, 172,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1375, 0.2612, 0.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 172, 211) }
```

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

```
.background{ background-color: rgb(144,  
172, 211) }
```

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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