

Converting Colors

$Y_{xy}(24.1327, 0.2678, 0.2569)$

Have a look what the booklet for
Yxy(24.1327, 0.2678, 0.2569)
contains.

Yxy(24.1130, 0.2686, 0.2574)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.1130, 0.2686, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	8283B0
RGB	130, 131, 176
RGB Percent	51%, 51%, 69%
CMY	0.4901, 0.4863, 0.3098
CMYK	0.26, 0.26, 0.00, 0.31
HSL	239°, 23%, 60%
HSV	239°, 26%, 69%
XYZ	25.1622, 24.1130, 44.4039
YIQ	135.8310, -15.0410, 13.7830

Conversions

Conversions Part 2

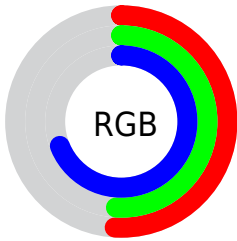
Format	Color
R _Y B	130, 131, 176
Decimal	8553392
CIE Lab	56.20, 9.84, -23.83
CIE LCh	56, 25.782, 292.437
Yxy	24.1130, 0.2686, 0.2574
Android (android.graphics.Color)	4286743472 (0xFF8283B0)
YUV	135.8310, 19.8033, -5.1138
Hunter-Lab	49.1050, 5.5326, -19.2403

Details

The Yxy color $24.1130, 0.2686, 0.2574$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $41.5190, 0.3517, 0.3918$, and the grayscale version is $24.4849, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.2975, 0.2781, 0.2717$, and $9.1269, 0.2522, 0.2345$ is the 20% darker color. If you saturate the color by 10%, you get $18.5888, 0.2486, 0.2247$, and if you desaturate by 10%, it is $30.6470, 0.2870, 0.2874$.

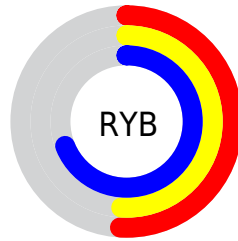
Distribution



Red (51%)

Green (51%)

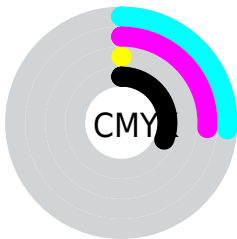
Blue (69%)



Red (51%)

Yellow (51%)

Blue (69%)

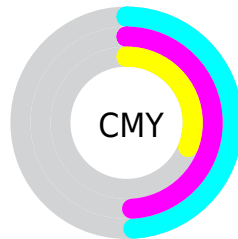


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (31%)



Cyan (49%)

Magenta (49%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1130, 0.2686, 0.2574 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 24.1130, 0.2686, 0.2574 by changing the saturation by 10% instead.

■ 24.1130, 0.2686,
0.2574

■ 24.1130, 0.2686,
0.2574

■ 273.3913, 0.2930,
0.2956

■ 15.4175, 0.2617,
0.2471

■ 50.2145, 0.2781,
0.2719

■ 9.1129, 0.2523,
0.2334

■ 68.3893, 0.2814,
0.2771

■ 4.8149, 0.2389,
0.2146

■ 90.4927, 0.2842,
0.2815

■ 2.1391, 0.2183,
0.1871

■ 116.9089, 0.2865,
0.2852

■ 0.6865, 0.1846,
0.1418

■ 148.0225, 0.2885,
0.2884

■ 0.0000, 0.0000,
0.0000

184.2179, 0.2902,

0.2911

225.8793, 0.2917,
0.2935

■ 24.1130, 0.2686,
0.2574

■ 24.1130, 0.2686,
0.2574

■ 18.5888, 0.2486,
0.2247

■ 30.6470, 0.2870,
0.2874

■ 14.0214, 0.2276,
0.1903

■ 38.2345, 0.3036,
0.3142

■ 10.3572, 0.2067,
0.1559

■ 46.9203, 0.3181,
0.3378

■ 7.5364, 0.1874,
0.1238

■ 56.7457, 0.3308,
0.3582

■ 5.4918, 0.1711,
0.0966

■ 67.7498, 0.3418,
0.3758

■ 4.1460, 0.1592,
0.0765

■ 79.9698, 0.3512,
0.3910

■ 3.4040, 0.1523,
0.0645

■ 93.4414, 0.3594,
0.4040

■ 3.2147, 0.1504,
0.0614

■ 95.9147, 0.3597,
0.4066

Harmonies

Analogous

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



24.1130, 0.2404, 0.2613



24.1130, 0.2686, 0.2574



24.1130, 0.3104, 0.2698

Triad

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



24.1130, 0.2686, 0.2574



24.1130, 0.4025, 0.3653



24.1130, 0.2685, 0.3653

Complementary

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



24.1130, 0.2686, 0.2574



41.5190, 0.3517, 0.3918

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.



24.1130, 0.3099, 0.3998



24.1130, 0.2686, 0.2574



24.1130, 0.3884, 0.3955

Square

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



24.1130, 0.2686, 0.2574



24.1130, 0.3906, 0.3293



24.1130, 0.3539, 0.4101



24.1130, 0.2402, 0.3209

Rectangle

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



24.1130, 0.2686, 0.2574



24.1130, 0.3411, 0.2857



24.1130, 0.3539, 0.4101



24.1130, 0.2813, 0.3788

Sweetspot

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



24.1140, 0.2686, 0.2574



66.4043, 0.3004, 0.3091



38.8748, 0.2762, 0.3312



13.9352, 0.2980, 0.3052



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.1140, 0.2686, 0.2574



38.0781, 0.2579, 0.2399



25.7341, 0.2898, 0.2601



8.2577, 0.2985, 0.3060



2.3695, 0.1505, 0.0616



0.0840, 0.1524, 0.0685

Inverse Universe

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



26.8426, 0.3661, 0.3277



43.8480, 0.3816, 0.3275



39.5888, 0.3312, 0.3974



8.5081, 0.3284, 0.3286



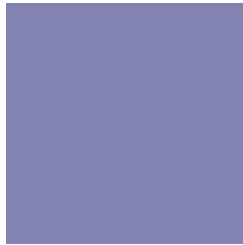
6.7793, 0.6373, 0.3284



0.2143, 0.6257, 0.3221

Previews

White Background



This preview shows how the Yxy color 24.1130, 0.2686, 0.2574 looks on a white background.

Color Contrast Check

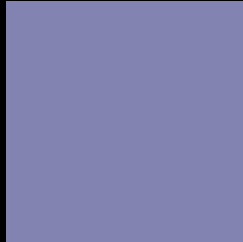
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1130, 0.2686, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

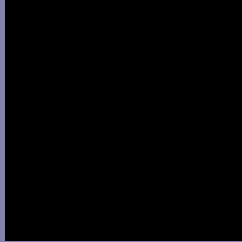
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1130, 0.2686, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 24.1130, 0.2686, 0.2574.



This preview shows how white text looks on a background with the Yxy color 24.1130, 0.2686, 0.2574.

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

24.1130, 0.2686, 0.2574

Protanopia

24.1270, 0.2599, 0.2565

Deuteranopia

24.0727, 0.2650, 0.2583



Tritanopia

24.0000, 0.2890, 0.3099

Trichromacy



Original Color

24.1130, 0.2686, 0.2574

Protanomaly

24.0368, 0.2632, 0.2568

Deuteranomaly

24.1491, 0.2659, 0.2585

Tritanomaly

23.9544, 0.2807, 0.2886

Monochromacy



Original Color

24.1130, 0.2686, 0.2574

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3529, 0.2955, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1130, 0.2686, 0.2574 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(130, 131, 176)` looks like.

```
.text, #text, p{  
    color:rgb(130, 131, 176)  
}
```

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(130, 131, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 131, 176) }
```

Border

The CSS property to change the border of an element to Yxy 24.1130, 0.2686, 0.2574 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(130, 131, 176) }
```

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

```
.border{ border-color:rgb(130, 131, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 131, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 131, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 131, 176);  
box-shadow:4px 4px 4px 4px rgb(130, 131,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1130, 0.2686, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 131, 176) }
```

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

```
.background{ background-color: rgb(130,  
131, 176) }
```

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