

# Converting Colors

$Y_{xy}(29.9733, 0.2782, 0.2863)$

Have a look what the booklet for  
Yxy(29.9733, 0.2782, 0.2863)  
contains.

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# Color

**Yxy(30.0725, 0.2775, 0.2861)**

# Conversions

Conversions Part 1	
Format	Color
Hex	8A95B1
RGB	138, 149, 177
RGB Percent	54%, 58%, 69%
CMY	0.4587, 0.4157, 0.3058
CMYK	0.22, 0.16, 0.00, 0.31
HSL	223°, 20%, 62%
HSV	223°, 22%, 69%
XYZ	29.1685, 30.0725, 45.8708
YIQ	148.9030, -15.5440, 6.3760

# Conversions

## Conversions Part 2

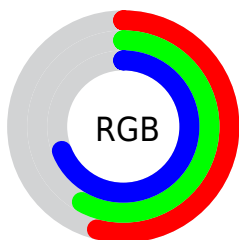
Format	Color
<a href="#">RYB</a>	<a href="#">138, 147, 177</a>
Decimal	<a href="#">9082289</a>
CIELab	<a href="#">61.72, 2.27, -15.94</a>
CIELCh	<a href="#">62, 16.097, 278.114</a>
Yxy	<a href="#">30.0725, 0.2775, 0.2861</a>
Android (android.graphics.Color)	<a href="#">4287272369</a> (0xFF8A95B1)
YUV	<a href="#">148.9030, 13.8518, -9.5619</a>
Hunter-Lab	<a href="#">54.8384, -1.0231, -11.2076</a>

# Details

The Yxy color `30.0725, 0.2775, 0.2861` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `38.4742, 0.3483, 0.3685`, and the grayscale version is `29.9599, 0.3127, 0.3290`.

A 20% lighter version of the original color is `59.8015, 0.2845, 0.2943`, and `12.2168, 0.2655, 0.2718` is the 20% darker color. If you saturate the color by 10%, you get `24.8768, 0.2598, 0.2631`, and if you desaturate by 10%, it is `35.9565, 0.2942, 0.3069`.

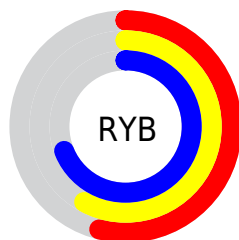
# Distribution



Red (54%)

Green (58%)

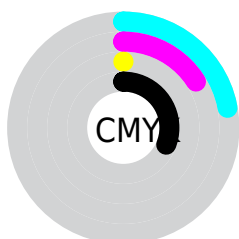
Blue (69%)



Red (54%)

Yellow (58%)

Blue (69%)

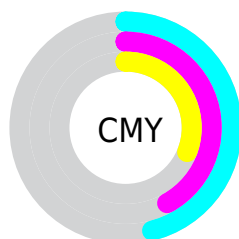


Cyan (22%)

Magenta (16%)

Yellow (0%)

Black (31%)



Cyan (46%)

Magenta (42%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0725, 0.2775, 0.2861 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 30.0725, 0.2775, 0.2861 by changing the saturation by 10% instead.





 30.0725, 0.2775,  
0.2861


 30.0725, 0.2775,  
0.2861


 302.2422, 0.2963,  
0.3088

 19.8936, 0.2724,  
0.2800


 59.7768, 0.2846,  
0.2946


 12.3177, 0.2656,  
0.2720


 80.0710, 0.2872,  
0.2978

 6.9605, 0.2562,  
0.2608


 104.5058, 0.2893,  
0.3004

 3.4374, 0.2421,  
0.2444

 133.4656, 0.2912,  
0.3026

 1.3641, 0.2192,  
0.2180

 167.3347, 0.2927,  
0.3045

 0.1901, 0.1317,  
0.1060

 206.4976, 0.2941,

 0.0000, 0.0000,


0.3061

0.0000


251.3387, 0.2952,  
0.3075

 30.0725, 0.2775,  
0.2861


 30.0725, 0.2775,  
0.2861

 24.8768, 0.2598,  
0.2631


 35.9565, 0.2942,  
0.3069

 20.3396, 0.2416,  
0.2381


 42.5496, 0.3097,  
0.3255


 16.4346, 0.2234,  
0.2117

 49.8763, 0.3240,  
0.3419

 13.1320, 0.2059,  
0.1846

 57.9588, 0.3369,  
0.3563

 10.3993, 0.1899,  
0.1579

 66.8183, 0.3487,  
0.3688

■ 8.2006, 0.1765,  
0.1329

■ 76.4752, 0.3592,  
0.3798

■ 6.4954, 0.1662,  
0.1109

■ 85.6097, 0.3637,  
0.3904

■ 5.4396, 0.1600,  
0.0960

■ 93.2828, 0.3602,  
0.4019

■ 95.9550, 0.3591,  
0.4057

# Harmonies

## Analogous

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



30.0725, 0.2652, 0.2945



30.0725, 0.2775, 0.2861



30.0725, 0.2994, 0.2886

# Triad

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



30.0725, 0.2775, 0.2861



30.0725, 0.3630, 0.3417



30.0725, 0.2984, 0.3600

# Complementary

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



30.0725, 0.2775, 0.2861



38.4742, 0.3483, 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.



30.0725, 0.3244, 0.3736



30.0725, 0.2775, 0.2861



30.0725, 0.3624, 0.3615

# Square

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



30.0725, 0.2775, 0.2861



30.0725, 0.3494, 0.3198



30.0725, 0.3480, 0.3737



30.0725, 0.2768, 0.3371



# Rectangle

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



30.0725, 0.2775, 0.2861



30.0725, 0.3169, 0.2958



30.0725, 0.3480, 0.3737



30.0725, 0.3069, 0.3659

# Sweetspot

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



30.0737, 0.2775, 0.2861



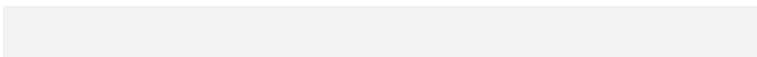
70.0158, 0.3020, 0.3163



39.6086, 0.2886, 0.3454



15.0273, 0.3011, 0.3153



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.



30.0737, 0.2775, 0.2861



49.5912, 0.2698, 0.2762



27.5133, 0.2844, 0.2701



8.6066, 0.2985, 0.3122



4.0311, 0.1605, 0.0978



0.2281, 0.1766, 0.1557



# Inverse Universe

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



29.7028, 0.3444, 0.3133



48.9977, 0.3527, 0.3100



41.6743, 0.3374, 0.3843



8.5433, 0.3244, 0.3226



6.9471, 0.5792, 0.2964



0.2288, 0.4986, 0.2521



# Previews

## White Background



This preview shows how the Yxy color 30.0725, 0.2775, 0.2861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

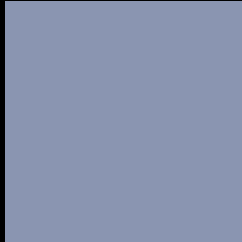
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.0725, 0.2775, 0.2861 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 30.0725, 0.2775, 0.2861**

## Background



This preview shows how black text looks on a background with the Yxy color 30.0725, 0.2775, 0.2861.



This preview shows how white text looks on a background with the Yxy color 30.0725, 0.2775, 0.2861.

# 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

30.0725, 0.2775, 0.2861

### Protanopia

30.1540, 0.2827, 0.2865

### Deuteranopia

30.1617, 0.2865, 0.2814



## Tritanopia

29.9285, 0.2865, 0.3099

# Trichromacy



**Original Color**  
30.0725, 0.2775, 0.2861

**Protanomaly**  
29.9771, 0.2809, 0.2863

**Deuteranomaly**  
30.1015, 0.2828, 0.2824

**Tritanomaly**  
29.8741, 0.2832, 0.3008

# Monochromacy



**Original Color**  
30.0725, 0.2775, 0.2861

**Achromatopsia**  
30.0544, 0.3127, 0.3290

**Achromatomaly**  
30.0178, 0.2995, 0.3134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0725, 0.2775, 0.2861 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(138, 149, 177)` looks like.

```
.text, #text, p{  
    color:rgb(138, 149, 177)  
}
```

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(138, 149, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 149, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0725, 0.2775, 0.2861 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(138, 149, 177) }
```

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

```
.border{ border-color:rgb(138, 149, 177) }
```

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

Here you see how a box with a 4 pixel rgb(138, 149, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 149, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 149, 177);  
box-shadow:4px 4px 4px 4px rgb(138, 149,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0725, 0.2775, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 149, 177) }
```

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

```
.background{ background-color: rgb(138,  
149, 177) }
```

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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