

Converting Colors

$Y_{xy}(30.1200, 0.2727, 0.2618)$

Have a look what the booklet for
Yxy(30.1200, 0.2727, 0.2618)
contains.

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Color

Yxy(30.1234, 0.2730, 0.2620)

Conversions

Conversions Part 1

Format	Color
Hex	9291BF
RGB	146, 145, 191
RGB Percent	57%, 57%, 75%
CMY	0.4274, 0.4314, 0.2509
CMYK	0.24, 0.24, 0.00, 0.25
HSL	241°, 26%, 66%
HSV	241°, 24%, 75%
XYZ	31.3881, 30.1234, 53.4633
YIQ	150.5430, -14.1700, 14.5180

Conversions

Conversions Part 2

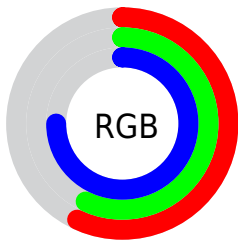
Format	Color
R_{YB}	146, 145, 191
Decimal	9605567
CIE _{Lab}	61.76, 10.43, -23.71
CIE _{LCh}	62, 25.906, 293.740
Yxy	30.1234, 0.2730, 0.2620
Android (android.graphics.Color)	4287795647 (0xFF9291BF)
YUV	150.5430, 19.9453, -3.9842
Hunter-Lab	54.8848, 6.0342, -19.3351

Details

The Yxy color **30.1234, 0.2730, 0.2620** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.2624, 0.3477, 0.3885**, and the grayscale version is **30.6622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9798, 0.2817, 0.2756**, and **12.3702, 0.2595, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **23.1953, 0.2533, 0.2290**, and if you desaturate by 10%, it is **38.3150, 0.2909, 0.2921**.

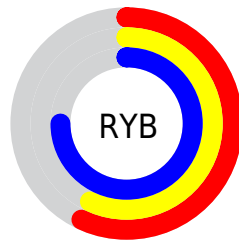
Distribution



Red (57%)

Green (57%)

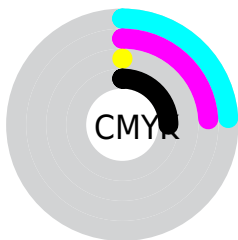
Blue (75%)



Red (57%)

Yellow (57%)

Blue (75%)

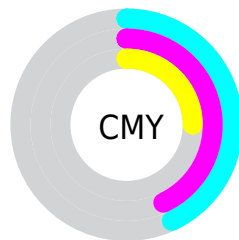


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (25%)



Cyan (43%)

Magenta (43%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1234, 0.2730, 0.2620 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 30.1234, 0.2730, 0.2620 by changing the saturation by 10% instead.

■ 30.1234, 0.2730,
0.2620

■ 30.1234, 0.2730,
0.2620

302.4792, 0.2943,
0.2966

■ 19.9323, 0.2672,
0.2531

■ 59.8573, 0.2811,
0.2748

■ 12.3458, 0.2596,
0.2415

■ 80.1688, 0.2840,
0.2796

■ 6.9797, 0.2489,
0.2258

104.6226, 0.2864,
0.2835

■ 3.4494, 0.2332,
0.2037

133.6030, 0.2885,
0.2869

■ 1.3706, 0.2083,
0.1706

167.4945, 0.2903,
0.2899

■ 0.1949, 0.1561,
0.0692

206.6815, 0.2918,

■ 0.0000, 0.0000,

0.2924

0.0000

251.5482, 0.2931,
0.2946

■ 30.1234, 0.2730,
0.2620

■ 30.1234, 0.2730,
0.2620

■ 23.1953, 0.2533,
0.2290

■ 38.3150, 0.2909,
0.2921

■ 17.4645, 0.2325,
0.1942

■ 47.8247, 0.3068,
0.3190

■ 12.8642, 0.2114,
0.1591

■ 58.7084, 0.3207,
0.3425

■ 9.3197, 0.1915,
0.1263

■ 71.0176, 0.3327,
0.3629

■ 6.7471, 0.1743,
0.0982

■ 84.8012, 0.3430,
0.3805

■ 5.0501, 0.1614,
0.0773

■ 96.5426, 0.3508,
0.3919

■ 4.1124, 0.1534,
0.0648

■ 3.7902, 0.1507,
0.0604

Harmonies

Analogous

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



30.1234, 0.2457, 0.2652



30.1234, 0.2730, 0.2620



30.1234, 0.3125, 0.2743

Triad

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



30.1234, 0.2730, 0.2620



30.1234, 0.3964, 0.3647



30.1234, 0.2700, 0.3611

Complementary

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



30.1234, 0.2730, 0.2620



50.2624, 0.3477, 0.3885

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.



30.1234, 0.3085, 0.3937



30.1234, 0.2730, 0.2620



30.1234, 0.3824, 0.3923

Square

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



30.1234, 0.2730, 0.2620



30.1234, 0.3863, 0.3310



30.1234, 0.3497, 0.4046



30.1234, 0.2440, 0.3199

Rectangle

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



30.1234, 0.2730, 0.2620



30.1234, 0.3411, 0.2896



30.1234, 0.3497, 0.4046



30.1234, 0.2819, 0.3737

Sweetspot

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



30.1246, 0.2730, 0.2620



80.2434, 0.3022, 0.3112



46.7198, 0.2775, 0.3278



17.3872, 0.3013, 0.3096



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



30.1246, 0.2730, 0.2620



47.0115, 0.2626, 0.2446



32.4218, 0.2940, 0.2659



9.2353, 0.2987, 0.3053



2.4949, 0.1508, 0.0605



0.1012, 0.1540, 0.0622

Inverse Universe

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



35.0458, 0.3165, 0.2711



57.3774, 0.3173, 0.2582



47.5578, 0.3279, 0.3925



9.6925, 0.3141, 0.3069



9.6313, 0.3265, 0.1572



0.3784, 0.3251, 0.1564

Previews

White Background



This preview shows how the Yxy color 30.1234, 0.2730, 0.2620 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 30.1234, 0.2730, 0.2620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

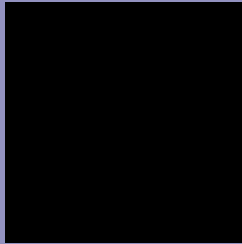
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1234, 0.2730, 0.2620

Background



This preview shows how black text looks on a background with the Yxy color 30.1234, 0.2730, 0.2620.



This preview shows how white text looks on a background with the Yxy color 30.1234, 0.2730, 0.2620.

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

30.1234, 0.2730, 0.2620

Protanopia

30.0361, 0.2640, 0.2610

Deuteranopia

30.0701, 0.2696, 0.2629



Tritanopia

30.0840, 0.2929, 0.3102

Trichromacy



Original Color

30.1234, 0.2730, 0.2620

Protanomaly

29.9390, 0.2671, 0.2613

Deuteranomaly

30.1590, 0.2705, 0.2631

Tritanomaly

30.0366, 0.2853, 0.2908

Monochromacy



Original Color

30.1234, 0.2730, 0.2620

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.6376, 0.2971, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1234, 0.2730, 0.2620 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(146, 145, 191)` looks like.

```
.text, #text, p{  
    color:rgb(146, 145, 191)  
}
```

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(146, 145, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 145, 191) }
```

Border

The CSS property to change the border of an element to Yxy 30.1234, 0.2730, 0.2620 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(146, 145, 191) }
```

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

```
.border{ border-color:rgb(146, 145, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 145, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 145, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 145, 191);  
box-shadow:4px 4px 4px 4px rgb(146, 145,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1234, 0.2730, 0.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 145, 191) }
```

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

```
.background{ background-color: rgb(146,  
145, 191) }
```

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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