

Converting Colors

$Y_{xy}(21.2056, 0.3040, 0.2634)$

Have a look what the booklet for
Yxy(21.2056, 0.3040, 0.2634)
contains.

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Color

Yxy(21.1281, 0.3038, 0.2635)

Conversions

Conversions Part 1

Format	Color
Hex	93749D
RGB	147, 116, 157
RGB Percent	58%, 45%, 62%
CMY	0.4237, 0.5450, 0.3843
CMYK	0.06, 0.26, 0.00, 0.38
HSL	285°, 17%, 54%
HSV	285°, 26%, 62%
XYZ	24.3595, 21.1281, 34.6950
YIQ	129.9430, 5.3150, 19.3230

Conversions

Conversions Part 2

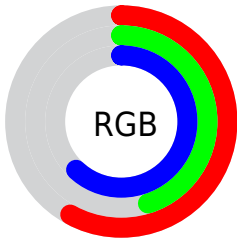
Format	Color
R_{YB}	147, 116, 157
Decimal	9663645
CIE _{Lab}	53.09, 19.80, -17.49
CIE _{LCh}	53, 26.415, 318.553
Yxy	21.1281, 0.3038, 0.2635
Android (android.graphics.Color)	4287853725 (0xFF93749D)
YUV	129.9430, 13.3391, 14.9590
Hunter-Lab	45.9653, 14.1573, -12.5768

Details

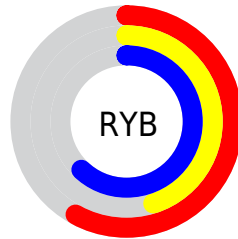
The Yxy color **21.1281, 0.3038, 0.2635** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.8173, 0.3191, 0.3993**, and the grayscale version is **22.2522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1762, 0.3056, 0.2763**, and **7.5417, 0.2988, 0.2389** is the 20% darker color. If you saturate the color by 10%, you get **17.4599, 0.2992, 0.2373**, and if you desaturate by 10%, it is **25.4217, 0.3077, 0.2894**.

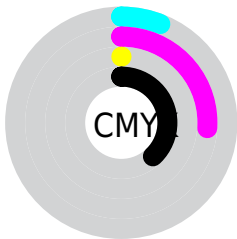
Distribution



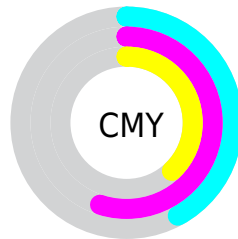
- Red (58%)
- Green (45%)
- Blue (62%)



- Red (58%)
- Yellow (45%)
- Blue (62%)



- Cyan (6%)
- Magenta (26%)
- Yellow (0%)
- Black (38%)





- Cyan (42%)
- Magenta (55%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1281, 0.3038, 0.2635 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 21.1281, 0.3038, 0.2635 by changing the saturation by 10% instead.


 21.1281, 0.3038,
0.2635


 21.1281, 0.3038,
0.2635


257.9585, 0.3094,
0.2989


 13.2177, 0.3019,
0.2537


 45.3006, 0.3062,
0.2770

 7.5786, 0.2991,
0.2406


 62.3315, 0.3070,
0.2819

 3.8265, 0.2947,
0.2221

 83.1714, 0.3076,
0.2859

 1.5770, 0.2867,
0.1943

 108.2045, 0.3081,
0.2893

 0.3420, 0.2795,
0.1182

137.8154, 0.3085,
0.2923

 0.0000, 0.0000,
0.0000

172.3885, 0.3088,

0.2948

212.3080, 0.3091,
0.2970

■ 21.1281, 0.3038,
0.2635

■ 21.1281, 0.3038,
0.2635

■ 17.4599, 0.2992,
0.2373

■ 25.4217, 0.3077,
0.2894

■ 14.3837, 0.2941,
0.2115

■ 30.3668, 0.3110,
0.3144

■ 11.8668, 0.2883,
0.1873


■ 35.9912, 0.3137,
0.3380


■ 9.8722, 0.2822,
0.1656


■ 42.3202, 0.3159,
0.3599


■ 8.3586, 0.2757,
0.1475


■ 49.3779, 0.3176,
0.3801


 7.2782, 0.2692,
0.1336


 57.1871, 0.3190,
0.3986

 6.5635, 0.2628,
0.1241

 65.7698, 0.3201,
0.4153

 6.3246, 0.2604,
0.1208

 75.1470, 0.3208,
0.4303

 83.8483, 0.3217,
0.4419

Harmonies

Analogous

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



21.1281, 0.2607, 0.2523



21.1281, 0.3038, 0.2635



21.1281, 0.3528, 0.2891

Triad

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



21.1281, 0.3038, 0.2635



21.1281, 0.3969, 0.3963



21.1281, 0.2382, 0.3261

Complementary

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



21.1281, 0.3038, 0.2635



29.8173, 0.3191, 0.3993

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.



21.1281, 0.2705, 0.3739



21.1281, 0.3038, 0.2635



21.1281, 0.3621, 0.4152

Square

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



21.1281, 0.3038, 0.2635



21.1281, 0.4088, 0.3624



21.1281, 0.3157, 0.4082



21.1281, 0.2252, 0.2841

Rectangle

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



21.1281, 0.3038, 0.2635



21.1281, 0.3813, 0.3117



21.1281, 0.3157, 0.4082



21.1281, 0.2470, 0.3423

Sweetspot

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



21.1290, 0.3038, 0.2635



52.4692, 0.3104, 0.3094



21.1380, 0.2706, 0.2752



11.2600, 0.3099, 0.3059



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.1290, 0.3038, 0.2635



34.0949, 0.3014, 0.2491



21.7623, 0.3276, 0.2807



6.6727, 0.3100, 0.3067



5.1541, 0.2608, 0.1211



0.1103, 0.2864, 0.1351

Inverse Universe

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



21.1711, 0.3535, 0.3128



34.2252, 0.3651, 0.3092



29.3434, 0.3006, 0.3827



6.6715, 0.3247, 0.3235



5.9430, 0.5897, 0.3022



0.1123, 0.4918, 0.2483

Previews

White Background



This preview shows how the Yxy color 21.1281, 0.3038, 0.2635 looks on a white background.

Color Contrast Check

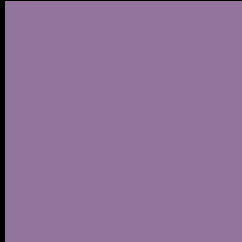
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1281, 0.3038, 0.2635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

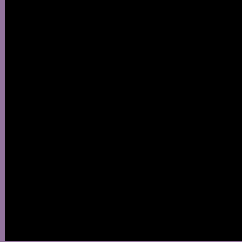
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1281, 0.3038, 0.2635

Background



This preview shows how black text looks on a background with the Yxy color 21.1281, 0.3038, 0.2635.



This preview shows how white text looks on a background with the Yxy color 21.1281, 0.3038, 0.2635.

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

21.1281, 0.3038, 0.2635

Protanopia

21.3840, 0.2654, 0.2640

Deuteranopia

21.1418, 0.2815, 0.2757



Tritanopia

21.1261, 0.3295, 0.3137

Trichromacy



Original Color

21.1281, 0.3038, 0.2635

Protanomaly

21.0815, 0.2787, 0.2636

Deuteranomaly

21.0616, 0.2890, 0.2704

Tritanomaly

21.0164, 0.3193, 0.2939

Monochromacy



Original Color

21.1281, 0.3038, 0.2635

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.7949, 0.3092, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1281, 0.3038, 0.2635 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(147, 116, 157)` looks like.

```
.text, #text, p{  
    color:rgb(147, 116, 157)  
}
```

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(147, 116, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 116, 157) }
```

Border

The CSS property to change the border of an element to Yxy 21.1281, 0.3038, 0.2635 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(147, 116, 157) }
```

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

```
.border{ border-color:rgb(147, 116, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 116, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 116, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 116, 157);  
box-shadow:4px 4px 4px 4px rgb(147, 116,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1281, 0.3038, 0.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 116, 157) }
```

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

```
.background{ background-color: rgb(147,  
116, 157) }
```

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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