

Converting Colors

$Y_{xy}(20.7051, 0.2659, 0.2016)$

Have a look what the booklet for
Yxy(20.7051, 0.2659, 0.2016)
contains.

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Color

Yxy(20.7968, 0.2663, 0.2019)

Conversions

Conversions Part 1

Format	Color
Hex	946BC4
RGB	148, 107, 196
RGB Percent	58%, 42%, 77%
CMY	0.4196, 0.5803, 0.2315
CMYK	0.24, 0.45, 0.00, 0.23
HSL	268°, 43%, 59%
HSV	268°, 45%, 77%
XYZ	27.4304, 20.7968, 54.7783
YIQ	129.4050, -4.1330, 36.3710

Conversions

Conversions Part 2

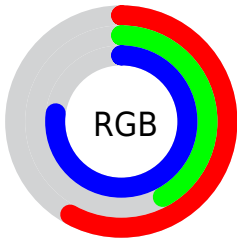
Format	Color
R_{YB}	148, 107, 196
Decimal	9726916
CIE _{Lab}	52.73, 34.19, -40.57
CIE _{LCh}	53, 53.056, 310.117
Yxy	20.7968, 0.2663, 0.2019
Android (android.graphics.Color)	4287916996 (0xFF946BC4)
YUV	129.4050, 32.8313, 16.3078
Hunter-Lab	45.6035, 27.5610, -39.2959

Details

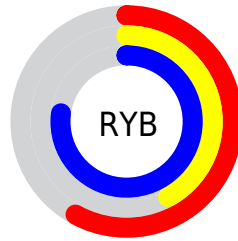
The Yxy color **20.7968, 0.2663, 0.2019** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.4993, 0.3433, 0.4541**, and the grayscale version is **21.9867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7255, 0.2773, 0.2254**, and **7.4120, 0.2472, 0.1648** is the 20% darker color. If you saturate the color by 10%, you get **16.2222, 0.2528, 0.1724**, and if you desaturate by 10%, it is **26.3890, 0.2788, 0.2320**.

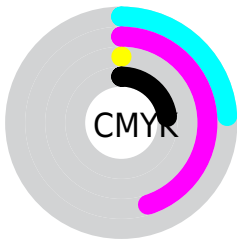
Distribution



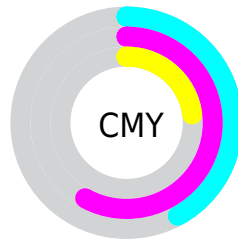
- Red (58%)
- Green (42%)
- Blue (77%)



- Red (58%)
- Yellow (42%)
- Blue (77%)



- Cyan (24%)
- Magenta (45%)
- Yellow (0%)
- Black (23%)




- Cyan (42%)
- Magenta (58%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7968, 0.2663, 0.2019 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 20.7968, 0.2663, 0.2019 by changing the saturation by 10% instead.


 20.7968, 0.2663,
0.2019


 20.7968, 0.2663,
0.2019


256.1966, 0.2935,
0.2668


 12.9756, 0.2582,
0.1858


 44.7491, 0.2771,
0.2255


 7.4117, 0.2472,
0.1654


 61.6490, 0.2809,
0.2344

 3.7209, 0.2313,
0.1392


 82.3438, 0.2840,
0.2419

 1.5187, 0.2072,
0.1049

 107.2180, 0.2866,
0.2483

 0.3018, 0.1717,
0.0449

136.6560, 0.2887,
0.2539

 0.0000, 0.0287,
0.0000

171.0422, 0.2905,

 0.0000, 0.0000,

0.2587

0.0000

210.7609, 0.2921,
0.2630

■ 20.7968, 0.2663,
0.2019

■ 20.7968, 0.2663,
0.2019

■ 16.2222, 0.2528,
0.1724

■ 26.3890, 0.2788,
0.2320

■ 12.5971, 0.2388,
0.1450

■ 33.0562, 0.2901,
0.2616

■ 9.8485, 0.2248,
0.1212

■ 40.8541, 0.3000,
0.2897

■ 7.8910, 0.2115,
0.1024

■ 49.8340, 0.3086,
0.3158

■ 6.6205, 0.1996,
0.0893

■ 60.0437, 0.3159,
0.3397

■ 6.1715, 0.1945,
0.0845

■ 71.5286, 0.3221,
0.3614

■ 84.3316, 0.3273,
0.3807

■ 92.7536, 0.3329,
0.3899

■ 94.5818, 0.3399,
0.3886

Harmonies

Analogous

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



20.7968, 0.1968, 0.1887



20.7968, 0.2663, 0.2019



20.7968, 0.3625, 0.2391

Triad

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



20.7968, 0.2663, 0.2019



20.7968, 0.4837, 0.4262



20.7968, 0.1833, 0.3451

Complementary

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



20.7968, 0.2663, 0.2019



47.4993, 0.3433, 0.4541

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.



20.7968, 0.2473, 0.4525



20.7968, 0.2663, 0.2019



20.7968, 0.4204, 0.4869

Square

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



20.7968, 0.2663, 0.2019



20.7968, 0.5009, 0.3585



20.7968, 0.3344, 0.5082



20.7968, 0.1551, 0.2538

Rectangle

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



20.7968, 0.2663, 0.2019



20.7968, 0.4276, 0.2744



20.7968, 0.3344, 0.5082



20.7968, 0.2009, 0.3820

Sweetspot

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



20.7976, 0.2663, 0.2019



75.8287, 0.3011, 0.2929



30.8688, 0.2417, 0.2673



15.5173, 0.2991, 0.2869



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.



20.7976, 0.2663, 0.2019



29.8032, 0.2536, 0.1740



25.6476, 0.3130, 0.2179



9.9702, 0.3054, 0.3057



4.0166, 0.1959, 0.0853



0.2145, 0.2215, 0.0994

Inverse Universe

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



24.6173, 0.3668, 0.2661



37.8395, 0.3836, 0.2542



43.9404, 0.3092, 0.4684



10.1667, 0.3207, 0.3166



8.2232, 0.4772, 0.2403



0.3691, 0.4332, 0.2160

Previews

White Background



This preview shows how the Yxy color 20.7968, 0.2663, 0.2019 looks on a white background.

Color Contrast Check

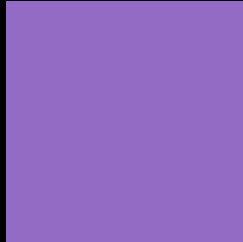
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7968, 0.2663, 0.2019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

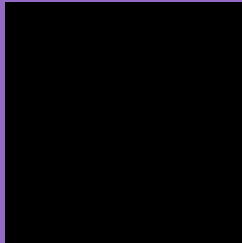
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7968, 0.2663, 0.2019

Background



This preview shows how black text looks on a background with the Yxy color 20.7968, 0.2663, 0.2019.



This preview shows how white text looks on a background with the Yxy color 20.7968, 0.2663, 0.2019.

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

20.7968, 0.2663, 0.2019

Protanopia

20.9927, 0.2128, 0.1948

Deuteranopia

21.1072, 0.2261, 0.2210



Tritanopia

20.8761, 0.3208, 0.3133

Trichromacy



Original Color

20.7968, 0.2663, 0.2019

Protanomaly

20.5099, 0.2282, 0.1955

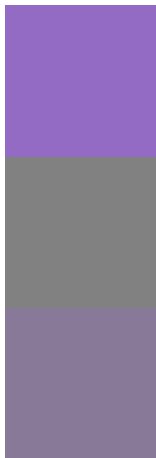
Deuteranomaly

20.6213, 0.2388, 0.2126

Tritanomaly

20.7519, 0.2990, 0.2667

Monochromacy



Original Color

20.7968, 0.2663, 0.2019

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.2089, 0.2954, 0.2755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7968, 0.2663, 0.2019 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(148, 107, 196)` looks like.

```
.text, #text, p{  
    color:rgb(148, 107, 196)  
}
```

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(148, 107, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 107, 196) }
```

Border

The CSS property to change the border of an element to Yxy 20.7968, 0.2663, 0.2019 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(148, 107, 196) }
```

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

```
.border{ border-color:rgb(148, 107, 196) }
```

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

Here you see how a box with a 4 pixel rgb(148, 107, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 107, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 107, 196);  
box-shadow:4px 4px 4px 4px rgb(148, 107,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7968, 0.2663, 0.2019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 107, 196) }
```

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

```
.background{ background-color: rgb(148,  
107, 196) }
```

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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