

Converting Colors

$Y_{xy}(21.0579, 0.2685, 0.1908)$

Have a look what the booklet for
Yxy(21.0579, 0.2685, 0.1908)
contains.

Yxy(21.0305, 0.2682, 0.1908)	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(21.0305, 0.2682, 0.1908)

Conversions

Conversions Part 1

Format	Color
Hex	9D66CC
RGB	157, 102, 204
RGB Percent	62%, 40%, 80%
CMY	0.3841, 0.6001, 0.2000
CMYK	0.23, 0.50, 0.00, 0.20
HSL	272°, 50%, 60%
HSV	272°, 50%, 80%
XYZ	29.5617, 21.0305, 59.6305
YIQ	130.0730, 0.0380, 43.3820

Conversions

Conversions Part 2

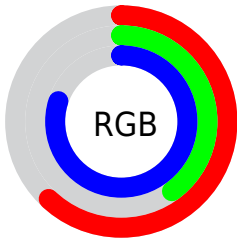
Format	Color
RYB	157, 102, 204
Decimal	10315468
CIELab	52.98, 41.43, -44.70
CIELCh	53, 60.941, 312.826
Yxy	21.0305, 0.2682, 0.1908
Android (android.graphics.Color)	4288505548 (0xFF9D66CC)
YUV	130.0730, 36.4460, 23.6150
Hunter-Lab	45.8590, 34.8118, -44.9935

Details

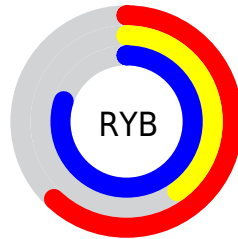
The Yxy color **21.0305, 0.2682, 0.1908** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **50.5307, 0.3390, 0.4709**, and the grayscale version is **22.2196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6273, 0.2836, 0.2207**, and **7.5095, 0.2500, 0.1533** is the 20% darker color. If you saturate the color by 10%, you get **16.5951, 0.2563, 0.1634**, and if you desaturate by 10%, it is **26.5266, 0.2793, 0.2197**.

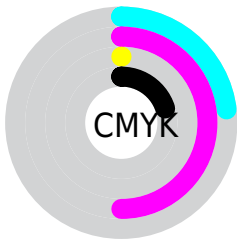
Distribution



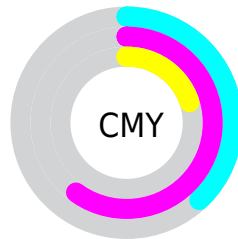
- Red (62%)
- Green (40%)
- Blue (80%)



- Red (62%)
- Yellow (40%)
- Blue (80%)



- Cyan (23%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)





- Cyan (38%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0305, 0.2682, 0.1908 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 21.0305, 0.2682, 0.1908 by changing the saturation by 10% instead.


 21.0305, 0.2682,
0.1908


 21.0305, 0.2682,
0.1908


257.4405, 0.2947,
0.2600


 13.1463, 0.2603,
0.1741


 45.1383, 0.2788,
0.2156

 7.5294, 0.2495,
0.1534


 62.1307, 0.2825,
0.2251

 3.7953, 0.2340,
0.1271


 82.9279, 0.2855,
0.2331

 1.5597, 0.2108,
0.0939

 107.9144, 0.2880,
0.2400

 0.3302, 0.1764,
0.0409

137.4745, 0.2901,
0.2460

 0.0000, 0.0842,
0.0000

171.9926, 0.2918,

 0.0000, 0.0000,

0.2512

0.0000

211.8532, 0.2934,
0.2559

■ 21.0305, 0.2682,
0.1908

■ 21.0305, 0.2682,
0.1908

■ 16.5951, 0.2563,
0.1634

■ 26.5266, 0.2793,
0.2197

■ 13.1425, 0.2440,
0.1388

■ 33.1488, 0.2894,
0.2489

■ 10.5879, 0.2318,
0.1184

■ 40.9597, 0.2984,
0.2772

■ 8.8301, 0.2202,
0.1033

■ 50.0168, 0.3061,
0.3040

■ 7.6817, 0.2097,
0.0929

■ 60.3737, 0.3127,
0.3290

■ 72.0807, 0.3183,
0.3518

■ 85.1856, 0.3229,
0.3725

■ 93.0630, 0.3279,
0.3815

■ 94.6782, 0.3341,
0.3805

Harmonies

Analogous

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



21.0305, 0.1886, 0.1737



21.0305, 0.2682, 0.1908



21.0305, 0.3791, 0.2333

Triad

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



21.0305, 0.2682, 0.1908



21.0305, 0.4976, 0.4389



21.0305, 0.1628, 0.3343

Complementary

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



21.0305, 0.2682, 0.1908



50.5307, 0.3390, 0.4709

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.



21.0305, 0.2289, 0.4630



21.0305, 0.2682, 0.1908



21.0305, 0.4211, 0.5094

Square

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



21.0305, 0.2682, 0.1908



21.0305, 0.5265, 0.3639



21.0305, 0.3239, 0.5345



21.0305, 0.1371, 0.2352

Rectangle

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



21.0305, 0.2682, 0.1908



21.0305, 0.4528, 0.2725



21.0305, 0.3239, 0.5345



21.0305, 0.1803, 0.3771

Sweetspot

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



21.0313, 0.2682, 0.1908



74.7895, 0.3023, 0.2903



28.8660, 0.2319, 0.2460



15.3346, 0.3006, 0.2846



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.



21.0313, 0.2682, 0.1908



26.9847, 0.2553, 0.1613



26.5352, 0.3220, 0.2128



11.1372, 0.3066, 0.3056



4.8907, 0.2111, 0.0936



0.2971, 0.2316, 0.1050

Inverse Universe

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



24.5048, 0.3860, 0.2697



33.7575, 0.4108, 0.2593



47.0393, 0.3035, 0.4816



11.2981, 0.3219, 0.3184



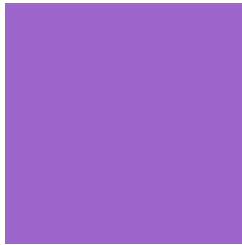
8.6058, 0.5109, 0.2588



0.4592, 0.4643, 0.2331

Previews

White Background



This preview shows how the Yxy color 21.0305, 0.2682, 0.1908 looks on a white background.

Color Contrast Check

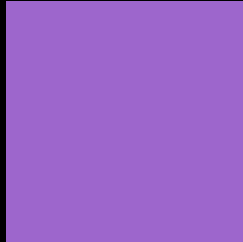
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0305, 0.2682, 0.1908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

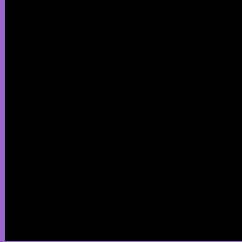
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0305, 0.2682, 0.1908

Background



This preview shows how black text looks on a background with the Yxy color 21.0305, 0.2682, 0.1908.

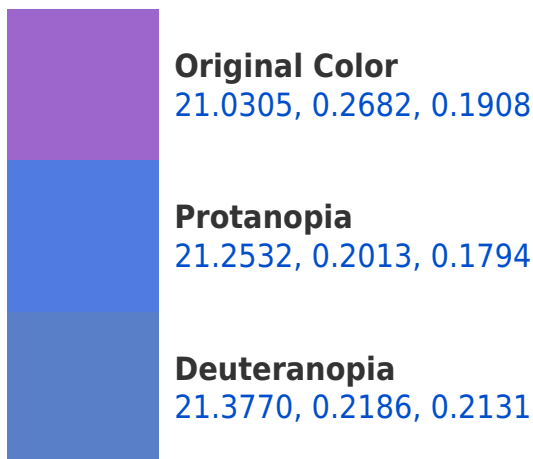


This preview shows how white text looks on a background with the Yxy color 21.0305, 0.2682, 0.1908.

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





Tritanopia

20.9472, 0.3322, 0.3137

Trichromacy



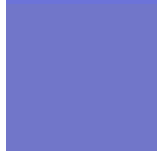
Original Color

21.0305, 0.2682, 0.1908



Protanomaly

20.4594, 0.2187, 0.1801



Deuteranomaly

20.6846, 0.2325, 0.2018



Tritanomaly

20.6001, 0.3074, 0.2606

Monochromacy



Original Color

21.0305, 0.2682, 0.1908



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.4427, 0.2958, 0.2685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0305, 0.2682, 0.1908 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(157, 102, 204)` looks like.

```
.text, #text, p{  
    color:rgb(157, 102, 204)  
}
```

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(157, 102, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 102, 204) }
```

Border

The CSS property to change the border of an element to Yxy 21.0305, 0.2682, 0.1908 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(157, 102, 204) }
```

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

```
.border{ border-color:rgb(157, 102, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 102, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 102, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 102, 204);  
box-shadow:4px 4px 4px 4px rgb(157, 102,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0305, 0.2682, 0.1908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 102, 204) }
```

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

```
.background{ background-color: rgb(157,  
102, 204) }
```

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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