

Converting Colors

$Y_{xy}(19.3611, 0.2786, 0.1954)$

Have a look what the booklet for
Yxy(19.3611, 0.2786, 0.1954)
contains.

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Color

Yxy(19.3396, 0.2786, 0.1952)

Conversions

Conversions Part 1

Format	Color
Hex	9D60C0
RGB	157, 96, 192
RGB Percent	62%, 38%, 75%
CMY	0.3842, 0.6235, 0.2471
CMYK	0.18, 0.50, 0.00, 0.25
HSL	278°, 43%, 56%
HSV	278°, 50%, 75%
XYZ	27.6025, 19.3396, 52.1337
YIQ	125.1830, 5.5400, 42.7880

Conversions

Conversions Part 2

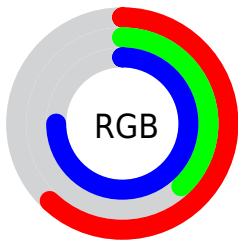
Format	Color
RYB	157, 96, 192
Decimal	10313920
CIELab	51.08, 41.96, -40.81
CIElCh	51, 58.532, 315.801
Yxy	19.3396, 0.2786, 0.1952
Android (android.graphics.Color)	4288504000 (0xFF9D60C0)
YUV	125.1830, 32.9408, 27.9035
Hunter-Lab	43.9768, 35.0780, -39.5034

Details

The Yxy color **19.3396, 0.2786, 0.1952** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **43.3555, 0.3312, 0.4738**, and the grayscale version is **20.4593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1655, 0.2869, 0.2194**, and **6.6725, 0.2621, 0.1567** is the 20% darker color. If you saturate the color by 10%, you get **15.5714, 0.2693, 0.1695**, and if you desaturate by 10%, it is **24.0049, 0.2873, 0.2226**.

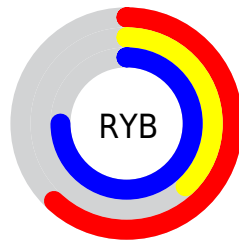
Distribution



Red (62%)

Green (38%)

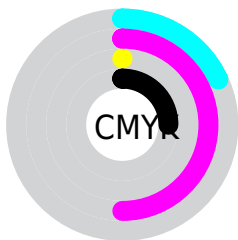
Blue (75%)



Red (62%)

Yellow (38%)

Blue (75%)

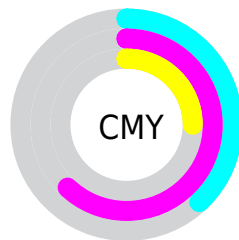


Cyan (18%)

Magenta (50%)

Yellow (0%)

Black (25%)



Cyan (38%)


Magenta (62%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3396, 0.2786, 0.1952 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 19.3396, 0.2786, 0.1952 by changing the saturation by 10% instead.


 19.3396, 0.2786,
0.1952


 19.3396, 0.2786,
0.1952


248.3172, 0.2998,
0.2633

 11.9159, 0.2719,
0.1784

 42.3072, 0.2873,
0.2200


 6.6865, 0.2624,
0.1571


 58.6198, 0.2903,
0.2293

 3.2668, 0.2484,
0.1299


 78.6643, 0.2927,
0.2372

 1.2726, 0.2263,
0.0948

 102.8249, 0.2946,
0.2439

 0.1198, 0.1953,
0.0199

131.4861, 0.2963,
0.2498

 0.0000, 0.0407,
0.0000

165.0323, 0.2976,

 0.0000, 0.0000,

0.2549

0.0000

203.8479, 0.2988,
0.2594

■ 19.3396, 0.2786,
0.1952

■ 19.3396, 0.2786,
0.1952

■ 15.5714, 0.2693,
0.1695

■ 24.0049, 0.2873,
0.2226

■ 12.6339, 0.2595,
0.1468

■ 29.6225, 0.2950,
0.2505

■ 10.4550, 0.2496,
0.1281

■ 36.2460, 0.3019,
0.2780

■ 8.9488, 0.2401,
0.1142

■ 43.9241, 0.3078,
0.3043

■ 7.9469, 0.2310,
0.1046

■ 52.7023, 0.3127,
0.3290

7.9465, 0.2310,
0.1046

62.6236, 0.3169,
0.3518

73.7283, 0.3203,
0.3727

86.0551, 0.3230,
0.3916

90.5325, 0.3270,
0.3959

Harmonies

Analogous

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



19.3396, 0.1960, 0.1756



19.3396, 0.2786, 0.1952



19.3396, 0.3898, 0.2396

Triad

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



19.3396, 0.2786, 0.1952



19.3396, 0.4900, 0.4458



19.3396, 0.1601, 0.3226

Complementary

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



19.3396, 0.2786, 0.1952



43.3555, 0.3312, 0.4738

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.



19.3396, 0.2218, 0.4494



19.3396, 0.2786, 0.1952



19.3396, 0.4114, 0.5131

Square

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



19.3396, 0.2786, 0.1952



19.3396, 0.5243, 0.3712



19.3396, 0.3144, 0.5294



19.3396, 0.1382, 0.2295

Rectangle

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



19.3396, 0.2786, 0.1952



19.3396, 0.4606, 0.2795



19.3396, 0.3144, 0.5294



19.3396, 0.1761, 0.3638

Sweetspot

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



19.3404, 0.2786, 0.1952



72.0658, 0.3048, 0.2907



22.5753, 0.2292, 0.2302



14.8378, 0.3035, 0.2851



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.



19.3404, 0.2786, 0.1952



27.6433, 0.2683, 0.1672



22.8309, 0.3332, 0.2233



10.0582, 0.3081, 0.3059



5.3938, 0.2321, 0.1052



0.2709, 0.2522, 0.1163

Inverse Universe

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



21.2064, 0.3991, 0.2821



31.7643, 0.4298, 0.2740



41.2757, 0.2979, 0.4655



10.1372, 0.3233, 0.3206



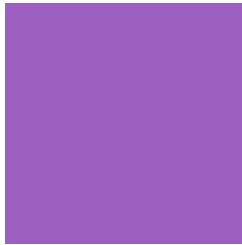
7.8515, 0.5495, 0.2801



0.3525, 0.4877, 0.2461

Previews

White Background



This preview shows how the Yxy color 19.3396, 0.2786, 0.1952 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 19.3396, 0.2786, 0.1952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

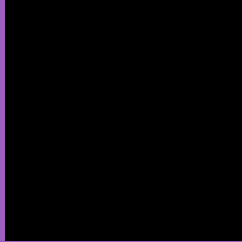
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3396, 0.2786, 0.1952

Background



This preview shows how black text looks on a background with the Yxy color 19.3396, 0.2786, 0.1952.



This preview shows how white text looks on a background with the Yxy color 19.3396, 0.2786, 0.1952.

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

19.3396, 0.2786, 0.1952

Protanopia

19.6600, 0.2039, 0.1836

Deuteranopia

19.6806, 0.2249, 0.2197



Tritanopia

19.3264, 0.3452, 0.3136

Trichromacy



Original Color

19.3396, 0.2786, 0.1952

Protanomaly

18.9025, 0.2235, 0.1855

Deuteranomaly

19.0618, 0.2401, 0.2077

Tritanomaly

19.1060, 0.3196, 0.2643

Monochromacy



Original Color

19.3396, 0.2786, 0.1952

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.5229, 0.3008, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3396, 0.2786, 0.1952 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, 96, 192)` looks like.

```
.text, #text, p{  
    color:rgb(157, 96, 192)  
}
```

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, 96, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 96, 192) }
```

Border

The CSS property to change the border of an element to Yxy 19.3396, 0.2786, 0.1952 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, 96, 192) }
```

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

```
.border{ border-color:rgb(157, 96, 192) }
```

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

Here you see how a box with a 4 pixel rgb(157, 96, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 96, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 96, 192);  
box-shadow:4px 4px 4px 4px rgb(157, 96,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3396, 0.2786, 0.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 96, 192) }
```

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

```
.background{ background-color: rgb(157, 96,  
192) }
```

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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