

Converting Colors

$Y_{xy}(20.6282, 0.2623, 0.1811)$

Have a look what the booklet for
Yxy(20.6282, 0.2623, 0.1811)
contains.

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Color

Yxy(20.7449, 0.2628, 0.1817)

Conversions

Conversions Part 1

Format	Color
Hex	9D63D2
RGB	157, 99, 210
RGB Percent	62%, 39%, 82%
CMY	0.3843, 0.6118, 0.1763
CMYK	0.25, 0.53, 0.00, 0.18
HSL	271°, 55%, 61%
HSV	271°, 53%, 82%
XYZ	30.0042, 20.7449, 63.4221
YIQ	128.9960, -1.0630, 46.8170

Conversions

Conversions Part 2

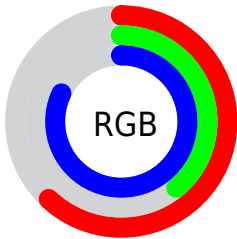
Format	Color
RYB	157, 99, 210
Decimal	10314706
CIELab	52.67, 44.46, -48.63
CIELCh	53, 65.893, 312.434
Yxy	20.7449, 0.2628, 0.1817
Android (android.graphics.Color)	4288504786 (0xFF9D63D2)
YUV	128.9960, 39.9350, 24.5595
Hunter-Lab	45.5466, 37.8819, -50.6768

Details

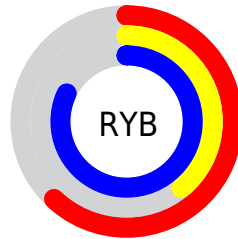
The Yxy color **20.7449, 0.2628, 0.1817** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.6917, 0.3413, 0.4790**, and the grayscale version is **21.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9726, 0.2835, 0.2187**, and **7.3880, 0.2419, 0.1430** is the 20% darker color. If you saturate the color by 10%, you get **16.3028, 0.2503, 0.1546**, and if you desaturate by 10%, it is **26.3062, 0.2747, 0.2107**.

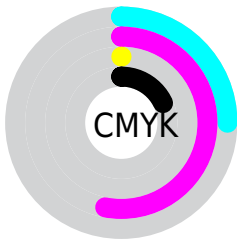
Distribution



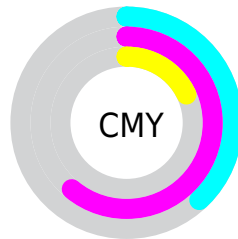
- Red (62%)
- Green (39%)
- Blue (82%)



- Red (62%)
- Yellow (39%)
- Blue (82%)



- Cyan (25%)
- Magenta (53%)
- Yellow (0%)
- Black (18%)




- Cyan (38%)
- Magenta (61%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7449, 0.2628, 0.1817 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 20.7449, 0.2628, 0.1817 by changing the saturation by 10% instead.


 20.7449, 0.2628,
0.1817


 20.7449, 0.2628,
0.1817


255.9197, 0.2924,
0.2546


 12.9377, 0.2541,
0.1645


 44.6626, 0.2746,
0.2076


 7.3856, 0.2423,
0.1432


 61.5418, 0.2787,
0.2176

 3.7044, 0.2256,
0.1168


 82.2139, 0.2820,
0.2261

 1.5096, 0.2010,
0.0841

 107.0631, 0.2848,
0.2334

 0.2955, 0.1654,
0.0330

136.4739, 0.2872,
0.2397

 0.0000, 0.0824,
0.0000

170.8306, 0.2892,

 0.0000, 0.0000,

0.2453

0.0000

210.5178, 0.2909,
0.2503

■ 20.7449, 0.2628,
0.1817

■ 20.7449, 0.2628,
0.1817

■ 16.3028, 0.2503,
0.1546

■ 26.3062, 0.2747,
0.2107

■ 12.8934, 0.2375,
0.1308

■ 33.0594, 0.2855,
0.2401

■ 10.4212, 0.2251,
0.1117


■ 41.0737, 0.2952,
0.2690

■ 8.7701, 0.2135,
0.0979


■ 50.4123, 0.3036,
0.2964

■ 7.9533, 0.2059,
0.0908

■ 61.1340, 0.3109,
0.3220

 73.2940, 0.3170,
0.3455

 86.9445, 0.3221,
0.3668

 94.2232, 0.3277,
0.3747

 96.0008, 0.3342,
0.3737

Harmonies

Analogous

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



20.7449, 0.1794, 0.1640



20.7449, 0.2628, 0.1817



20.7449, 0.3824, 0.2258

Triad

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



20.7449, 0.2628, 0.1817



20.7449, 0.5094, 0.4410



20.7449, 0.1526, 0.3351

Complementary

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



20.7449, 0.2628, 0.1817



53.6917, 0.3413, 0.4790

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.



20.7449, 0.2221, 0.4781



20.7449, 0.2628, 0.1817



20.7449, 0.4264, 0.5198

Square

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



20.7449, 0.2628, 0.1817



20.7449, 0.5425, 0.3616



20.7449, 0.3230, 0.5537



20.7449, 0.1264, 0.2279

Rectangle

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



20.7449, 0.2628, 0.1817



20.7449, 0.4630, 0.2667



20.7449, 0.3230, 0.5537



20.7449, 0.1709, 0.3824

Sweetspot

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



20.7457, 0.2628, 0.1817



73.1646, 0.3010, 0.2876



29.9799, 0.2279, 0.2429



15.0090, 0.2992, 0.2819



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.



20.7457, 0.2628, 0.1817



24.7861, 0.2492, 0.1525



27.1927, 0.3205, 0.2053



11.7171, 0.3063, 0.3055



4.9096, 0.2074, 0.0916



0.3216, 0.2271, 0.1025

Inverse Universe

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



24.8970, 0.3898, 0.2643



32.2707, 0.4147, 0.2543



49.7020, 0.3039, 0.4946



11.9009, 0.3217, 0.3179



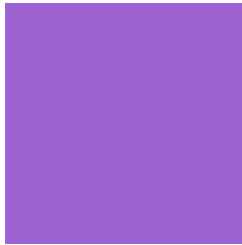
8.9425, 0.5039, 0.2550



0.5160, 0.4616, 0.2316

Previews

White Background



This preview shows how the Yxy color 20.7449, 0.2628, 0.1817 looks on a white background.

Color Contrast Check

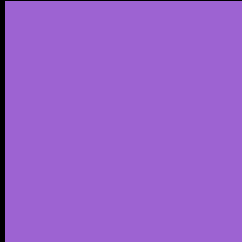
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7449, 0.2628, 0.1817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

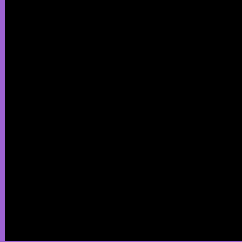
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7449, 0.2628, 0.1817

Background



This preview shows how black text looks on a background with the Yxy color 20.7449, 0.2628, 0.1817.



This preview shows how white text looks on a background with the Yxy color 20.7449, 0.2628, 0.1817.

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

20.7449, 0.2628, 0.1817

Protanopia

21.0675, 0.1929, 0.1684

Deuteranopia

20.9010, 0.2099, 0.2041



Tritanopia

20.6183, 0.3311, 0.3119

Trichromacy



Original Color

20.7449, 0.2628, 0.1817

Protanomaly

20.2376, 0.2098, 0.1700

Deuteranomaly

20.0728, 0.2243, 0.1920

Tritanomaly

20.3529, 0.3040, 0.2559

Monochromacy



Original Color

20.7449, 0.2628, 0.1817

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

20.9145, 0.2935, 0.2635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7449, 0.2628, 0.1817 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, 99, 210)` looks like.

```
.text, #text, p{  
  color:rgb(157, 99, 210)  
}
```

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, 99, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 99, 210) }
```

Border

The CSS property to change the border of an element to Yxy 20.7449, 0.2628, 0.1817 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, 99, 210) }
```

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

```
.border{ border-color:rgb(157, 99, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 99, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 99, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 99, 210);  
box-shadow:4px 4px 4px 4px rgb(157, 99,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7449, 0.2628, 0.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 99, 210) }
```

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

```
.background{ background-color: rgb(157, 99,  
210) }
```

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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