

Converting Colors

$Y_{xy}(20.2797, 0.2572, 0.1656)$

Have a look what the booklet for
Yxy(20.2797, 0.2572, 0.1656)
contains.

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Color

Yxy(20.2797, 0.2572, 0.1656)

Conversions

Conversions Part 1

Format	Color
Hex	A15BDD
RGB	161, 91, 221
RGB Percent	63%, 36%, 87%
CMY	0.3685, 0.6432, 0.1332
CMYK	0.27, 0.59, 0.00, 0.13
HSL	272°, 66%, 61%
HSV	272°, 59%, 87%
XYZ	31.4972, 20.2797, 70.6850
YIQ	126.7500, -0.0100, 55.2700

Conversions

Conversions Part 2

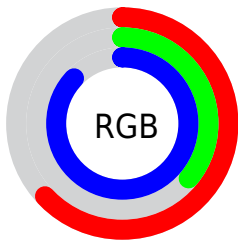
Format	Color
RYB	161, 91, 221
Decimal	10574813
CIELab	52.15, 52.25, -55.67
CIELCh	52, 76.348, 313.182
Yxy	20.2797, 0.2572, 0.1656
Android (android.graphics.Color)	4288764893 (0xFFA15BDD)
YUV	126.7500, 46.4653, 30.0373
Hunter-Lab	45.0330, 46.0397, -61.5402

Details

The Yxy color **20.2797, 0.2572, 0.1656** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **59.0646, 0.3412, 0.4974**, and the grayscale version is **20.9706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2266, 0.2873, 0.2120**, and **7.1709, 0.2349, 0.1263** is the 20% darker color. If you saturate the color by 10%, you get **16.0259, 0.2448, 0.1406**, and if you desaturate by 10%, it is **25.7339, 0.2692, 0.1934**.

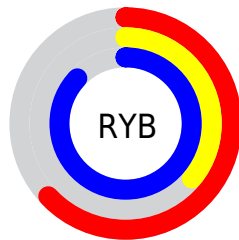
Distribution



Red (63%)

Green (36%)

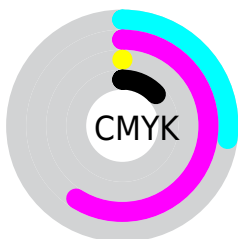
Blue (87%)



Red (63%)

Yellow (36%)

Blue (87%)

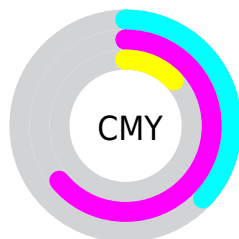


Cyan (27%)

Magenta (59%)

Yellow (0%)

Black (13%)



Cyan (37%)

Magenta (64%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2797, 0.2572, 0.1656 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 20.2797, 0.2572, 0.1656 by changing the saturation by 10% instead.


 20.2797, 0.2572,
0.1656

 20.2797, 0.2572,
0.1656


253.4253, 0.2902,
0.2447

 12.5985, 0.2476,
0.1476


 43.8856, 0.2703,
0.1932

 7.1527, 0.2348,
0.1259


 60.5792, 0.2749,
0.2039

 3.5578, 0.2169,
0.0997


 81.0456, 0.2786,
0.2132

 1.4294, 0.1911,
0.0687

 105.6694, 0.2818,
0.2212

 0.2382, 0.1553,
0.0219

134.8348, 0.2844,
0.2281

 0.0000, 0.0888,
0.0000

168.9264, 0.2866,

 0.0000, 0.0000,

0.2343

0.0000

208.3284, 0.2885,
0.2398

■ 20.2797, 0.2572,
0.1656

■ 20.2797, 0.2572,
0.1656

■ 16.0259, 0.2448,
0.1406

■ 25.7339, 0.2692,
0.1934

■ 12.8672, 0.2325,
0.1198

■ 32.4770, 0.2803,
0.2226

■ 10.6833, 0.2208,
0.1041

■ 40.5912, 0.2904,
0.2518

■ 9.2875, 0.2101,
0.0936

■ 50.1515, 0.2992,
0.2802

■ 9.1476, 0.2089,
0.0925

■ 61.2271, 0.3069,
0.3070

■ 73.8826, 0.3134,
0.3318

■ 88.1789, 0.3189,
0.3544

■ 95.7287, 0.3247,
0.3629

■ 97.5902, 0.3313,
0.3622

Harmonies

Analogous

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



20.2797, 0.1645, 0.1456



20.2797, 0.2572, 0.1656



20.2797, 0.3958, 0.2138

Triad

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



20.2797, 0.2572, 0.1656



20.2797, 0.5274, 0.4464



20.2797, 0.1301, 0.3285

Complementary

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



20.2797, 0.2572, 0.1656



59.0646, 0.3412, 0.4974

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.



20.2797, 0.2029, 0.5036



20.2797, 0.2572, 0.1656



20.2797, 0.4288, 0.5419

Square

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



20.2797, 0.2572, 0.1656



20.2797, 0.5742, 0.3589



20.2797, 0.3131, 0.5928



20.2797, 0.1057, 0.2088

Rectangle

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



20.2797, 0.2572, 0.1656



20.2797, 0.4902, 0.2581



20.2797, 0.3131, 0.5928



20.2797, 0.1486, 0.3851

Sweetspot

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



20.2805, 0.2572, 0.1656



70.3322, 0.2998, 0.2821



29.7953, 0.2179, 0.2274



14.1695, 0.2974, 0.2739



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.



20.2805, 0.2572, 0.1656



20.8207, 0.2414, 0.1344



27.8503, 0.3237, 0.1957



12.9608, 0.3065, 0.3054



5.3803, 0.2105, 0.0933



0.3996, 0.2276, 0.1027

Inverse Universe

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



25.0901, 0.4066, 0.2606



28.6019, 0.4392, 0.2522



54.7864, 0.3020, 0.5129



13.1510, 0.3220, 0.3183



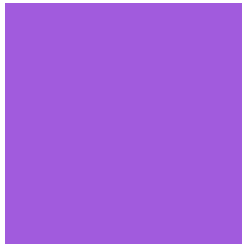
9.5092, 0.5112, 0.2590



0.6333, 0.4722, 0.2375

Previews

White Background



This preview shows how the Yxy color 20.2797, 0.2572, 0.1656 looks on a white background.

Color Contrast Check

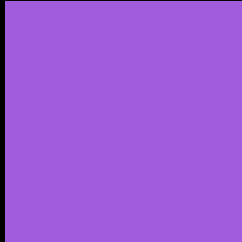
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2797, 0.2572, 0.1656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

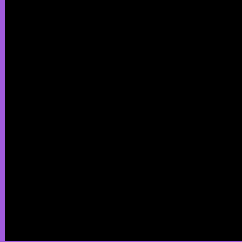
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2797, 0.2572, 0.1656

Background



This preview shows how black text looks on a background with the Yxy color 20.2797, 0.2572, 0.1656.



This preview shows how white text looks on a background with the Yxy color 20.2797, 0.2572, 0.1656.

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

20.2797, 0.2572, 0.1656

Protanopia

20.6893, 0.1772, 0.1485

Deuteranopia

20.6175, 0.1960, 0.1903



Tritanopia

20.1582, 0.3365, 0.3136

Trichromacy



Original Color

20.2797, 0.2572, 0.1656



Protanomaly

18.8483, 0.1902, 0.1473



Deuteranomaly

19.1997, 0.2088, 0.1739



Tritanomaly

19.7824, 0.3031, 0.2460

Monochromacy



Original Color

20.2797, 0.2572, 0.1656



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.0968, 0.2903, 0.2526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2797, 0.2572, 0.1656 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(161, 91, 221)` looks like.

```
.text, #text, p{  
    color:rgb(161, 91, 221)  
}
```

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(161, 91, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 91, 221) }
```

Border

The CSS property to change the border of an element to Yxy 20.2797, 0.2572, 0.1656 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(161, 91, 221) }
```

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

```
.border{ border-color:rgb(161, 91, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 91, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 91, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 91, 221);  
box-shadow:4px 4px 4px 4px rgb(161, 91,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2797, 0.2572, 0.1656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 91, 221) }
```

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

```
.background{ background-color: rgb(161, 91,  
221) }
```

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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