

Converting Colors

$Y_{xy}(28.0759, 0.2763, 0.2020)$

Have a look what the booklet for
Yxy(28.0759, 0.2763, 0.2020)
contains.

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Color

Yxy(28.0513, 0.2762, 0.2019)

Conversions

Conversions Part 1

Format	Color
Hex	B377DE
RGB	179, 119, 222
RGB Percent	70%, 47%, 87%
CMY	0.2980, 0.5333, 0.1293
CMYK	0.19, 0.46, 0.00, 0.13
HSL	275°, 61%, 67%
HSV	275°, 46%, 87%
XYZ	38.3743, 28.0513, 72.5110
YIQ	148.6820, 2.6970, 44.7530

Conversions

Conversions Part 2

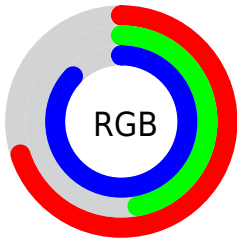
Format	Color
R _Y B	179, 119, 222
Decimal	11761630
CIE Lab	59.94, 42.24, -43.73
CIE LCh	60, 60.801, 314.007
Yxy	28.0513, 0.2762, 0.2019
Android (android.graphics.Color)	4289951710 (0xFFB377DE)
YUV	148.6820, 36.1458, 26.5889
Hunter-Lab	52.9635, 36.6447, -44.0981

Details

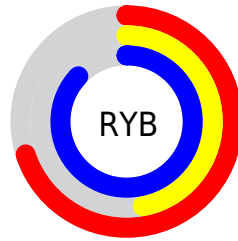
The Yxy color $28.0513, 0.2762, 0.2019$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $61.2663, 0.3346, 0.4622$, and the grayscale version is $29.7599, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.9400, 0.3015, 0.2451$, and $11.1725, 0.2625, 0.1699$ is the 20% darker color. If you saturate the color by 10%, you get $22.3033, 0.2655, 0.1744$, and if you desaturate by 10%, it is $35.1100, 0.2860, 0.2306$.

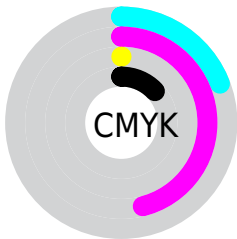
Distribution



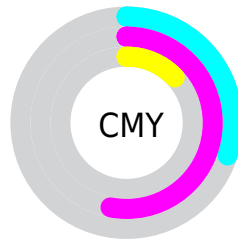
- Red (70%)
- Green (47%)
- Blue (87%)



- Red (70%)
- Yellow (47%)
- Blue (87%)



- Cyan (19%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)





- Cyan (30%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0513, 0.2762, 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 28.0513, 0.2762, 0.2019 by changing the saturation by 10% instead.


 28.0513, 0.2762,
0.2019


 28.0513, 0.2762,
0.2019


292.7120, 0.2973,
0.2633


 18.3643, 0.2702,
0.1876


 56.5663, 0.2845,
0.2235

 11.2119, 0.2621,
0.1699


 76.1632, 0.2874,
0.2319

 6.2095, 0.2508,
0.1477


 99.8321, 0.2898,
0.2390

 2.9729, 0.2343,
0.1196

127.9576, 0.2918,
0.2452

 1.1176, 0.2087,
0.0839

160.9239, 0.2935,
0.2506

 0.0000, 0.1744,
0.0000

199.1154, 0.2950,

 0.0000, 0.0000,

0.2554

0.0000

242.9167, 0.2962,
0.2596

■ 28.0513, 0.2762,
0.2019

■ 28.0513, 0.2762,
0.2019

■ 22.3033, 0.2655,
0.1744

■ 35.1100, 0.2860,
0.2306

■ 17.7739, 0.2543,
0.1494

■ 43.5562, 0.2948,
0.2593

■ 14.3641, 0.2430,
0.1282


■ 53.4646, 0.3025,
0.2870

■ 11.9574, 0.2320,
0.1119


■ 64.9035, 0.3090,
0.3132


■ 10.4069, 0.2218,
0.1008

■ 77.9369, 0.3146,
0.3375

 9.9671, 0.2183,
0.0976

 92.6251, 0.3192,
0.3597

 96.0088, 0.3249,
0.3618

 97.7080, 0.3309,
0.3612

 98.0549, 0.3321,
0.3611

Harmonies

Analogous

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



28.0513, 0.2005, 0.1849



28.0513, 0.2762, 0.2019



28.0513, 0.3778, 0.2428

Triad

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



28.0513, 0.2762, 0.2019



28.0513, 0.4824, 0.4369



28.0513, 0.1732, 0.3309

Complementary

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



28.0513, 0.2762, 0.2019



61.2663, 0.3346, 0.4622

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.



28.0513, 0.2343, 0.4447



28.0513, 0.2762, 0.2019



28.0513, 0.4122, 0.4979

Square

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



28.0513, 0.2762, 0.2019



28.0513, 0.5085, 0.3672



28.0513, 0.3221, 0.5129



28.0513, 0.1494, 0.2417

Rectangle

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



28.0513, 0.2762, 0.2019



28.0513, 0.4435, 0.2802



28.0513, 0.3221, 0.5129



28.0513, 0.1895, 0.3687

Sweetspot

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



28.0524, 0.2762, 0.2019



76.5815, 0.3041, 0.2932



35.6190, 0.2364, 0.2477



15.7006, 0.3026, 0.2873



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.



28.0524, 0.2762, 0.2019



30.5050, 0.2655, 0.1743



33.6396, 0.3247, 0.2229



13.6356, 0.3072, 0.3054



5.9859, 0.2197, 0.0984



0.4671, 0.2349, 0.1067

Inverse Universe

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



31.3347, 0.3843, 0.2784



35.8643, 0.4086, 0.2690



57.6766, 0.3023, 0.4651



13.7950, 0.3227, 0.3193



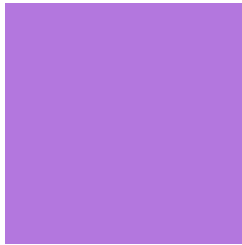
9.7115, 0.5298, 0.2692



0.6907, 0.4900, 0.2473

Previews

White Background



This preview shows how the Yxy color 28.0513, 0.2762, 0.2019 looks on a white background.

Color Contrast Check

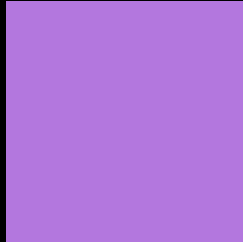
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0513, 0.2762, 0.2019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

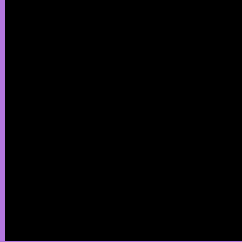
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0513, 0.2762, 0.2019

Background



This preview shows how black text looks on a background with the Yxy color 28.0513, 0.2762, 0.2019.



This preview shows how white text looks on a background with the Yxy color 28.0513, 0.2762, 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

28.0513, 0.2762, 0.2019

Protanopia

28.3441, 0.2114, 0.1924

Deuteranopia

28.3358, 0.2288, 0.2232



Tritanopia

27.9304, 0.3358, 0.3126

Trichromacy



Original Color

28.0513, 0.2762, 0.2019

Protanomaly

27.5985, 0.2297, 0.1936

Deuteranomaly

27.6767, 0.2432, 0.2129

Tritanomaly

27.6792, 0.3124, 0.2667

Monochromacy



Original Color

28.0513, 0.2762, 0.2019

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.7851, 0.2987, 0.2737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0513, 0.2762, 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(179, 119, 222)` looks like.

```
.text, #text, p{  
    color:rgb(179, 119, 222)  
}
```

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(179, 119, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 119, 222) }
```

Border

The CSS property to change the border of an element to Yxy 28.0513, 0.2762, 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(179, 119, 222) }
```

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

```
.border{ border-color:rgb(179, 119, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 119, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 119, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 119, 222);  
box-shadow:4px 4px 4px 4px rgb(179, 119,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0513, 0.2762, 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(179, 119, 222) }
```

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

```
.background{ background-color: rgb(179,  
119, 222) }
```

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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