

Converting Colors

$Y_{xy}(27.5804, 0.2633, 0.1947)$

Have a look what the booklet for
Yxy(27.5804, 0.2633, 0.1947)
contains.

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Color

Yxy(27.5804, 0.2633, 0.1947)

Conversions

Conversions Part 1

Format	Color
Hex	AA78E4
RGB	170, 120, 228
RGB Percent	67%, 47%, 89%
CMY	0.3334, 0.5294, 0.1058
CMYK	0.25, 0.47, 0.00, 0.11
HSL	268°, 67%, 68%
HSV	268°, 47%, 89%
XYZ	37.2980, 27.5804, 76.7775
YIQ	147.2620, -4.8680, 44.1880

Conversions

Conversions Part 2

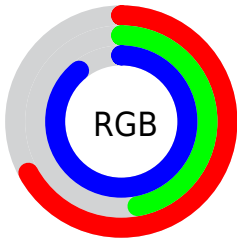
Format	Color
R _Y B	170, 120, 228
Decimal	11172068
CIE Lab	59.51, 40.60, -47.83
CIE LCh	60, 62.734, 310.324
Yxy	27.5804, 0.2633, 0.1947
Android (android.graphics.Color)	4289362148 (0xFFAA78E4)
YUV	147.2620, 39.8038, 19.9412
Hunter-Lab	52.5170, 34.8672, -49.9173

Details

The Yxy color $27.5804, 0.2633, 0.1947$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $66.3299, 0.3443, 0.4612$, and the grayscale version is $29.1255, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.4380, 0.2945, 0.2433$, and $11.0037, 0.2457, 0.1619$ is the 20% darker color. If you saturate the color by 10%, you get $21.4318, 0.2495, 0.1653$, and if you desaturate by 10%, it is $35.1643, 0.2762, 0.2251$.

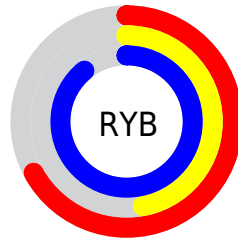
Distribution



Red (67%)

Green (47%)

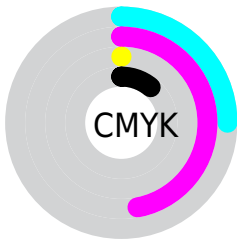
Blue (89%)



Red (67%)

Yellow (47%)

Blue (89%)

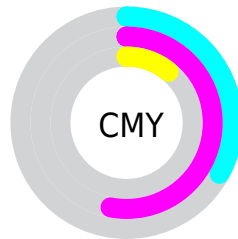


Cyan (25%)

Magenta (47%)

Yellow (0%)

Black (11%)



Cyan (33%)


Magenta (53%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5804, 0.2633, 0.1947 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 27.5804, 0.2633, 0.1947 by changing the saturation by 10% instead.


 27.5804, 0.2633,
0.1947


 27.5804, 0.2633,
0.1947


290.4564, 0.2911,
0.2594


 18.0096, 0.2557,
0.1798


 55.8138, 0.2740,
0.2174

 10.9569, 0.2456,
0.1614


 75.2452, 0.2778,
0.2262

 6.0378, 0.2317,
0.1387


 98.7323, 0.2810,
0.2337

 2.8681, 0.2120,
0.1101

126.6595, 0.2837,
0.2402

 1.0633, 0.1828,
0.0749

159.4110, 0.2859,
0.2459

 0.0000, 0.1432,
0.0000

197.3715, 0.2879,

 0.0000, 0.0000,

0.2509

0.0000

240.9251, 0.2896,
0.2554

■ 27.5804, 0.2633,
0.1947

■ 27.5804, 0.2633,
0.1947

■ 21.4318, 0.2495,
0.1653

■ 35.1643, 0.2762,
0.2251

■ 16.6175, 0.2354,
0.1385

■ 44.2683, 0.2878,
0.2551

■ 13.0282, 0.2214,
0.1157

■ 54.9747, 0.2981,
0.2838

■ 10.5348, 0.2084,
0.0983

■ 67.3584, 0.3070,
0.3106

■ 8.9667, 0.1968,
0.0867

■ 81.4898, 0.3146,
0.3352

■ 8.6370, 0.1939,
0.0842

■ 96.2669, 0.3212,
0.3558

■ 98.3831, 0.3285,
0.3552

Harmonies

Analogous

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



27.5804, 0.1900, 0.1805



27.5804, 0.2633, 0.1947



27.5804, 0.3665, 0.2338

Triad

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



27.5804, 0.2633, 0.1947



27.5804, 0.4936, 0.4301



27.5804, 0.1743, 0.3446

Complementary

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



27.5804, 0.2633, 0.1947



66.3299, 0.3443, 0.4612

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.



27.5804, 0.2411, 0.4627



27.5804, 0.2633, 0.1947



27.5804, 0.4248, 0.4966

Square

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



27.5804, 0.2633, 0.1947



27.5804, 0.5142, 0.3586



27.5804, 0.3332, 0.5227



27.5804, 0.1457, 0.2470

Rectangle

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



27.5804, 0.2633, 0.1947



27.5804, 0.4367, 0.2708



27.5804, 0.3332, 0.5227



27.5804, 0.1925, 0.3849

Sweetspot

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



27.5815, 0.2633, 0.1947



75.8414, 0.3012, 0.2929



42.0045, 0.2380, 0.2634



15.5204, 0.2991, 0.2869



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.



27.5815, 0.2633, 0.1947



27.6319, 0.2496, 0.1654



34.6661, 0.3129, 0.2125



14.2123, 0.3052, 0.3052



5.0548, 0.1955, 0.0851



0.4283, 0.2117, 0.0940

Inverse Universe

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



33.1491, 0.3712, 0.2631



35.9565, 0.3898, 0.2511



61.2498, 0.3088, 0.4770



14.4969, 0.3209, 0.3164



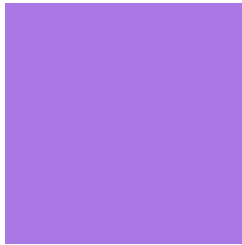
10.3671, 0.4797, 0.2416



0.7848, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 27.5804, 0.2633, 0.1947 looks on a white background.

Color Contrast Check

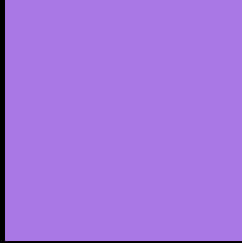
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5804, 0.2633, 0.1947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

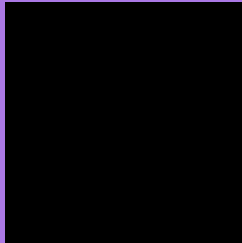
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5804, 0.2633, 0.1947

Background



This preview shows how black text looks on a background with the Yxy color 27.5804, 0.2633, 0.1947.



This preview shows how white text looks on a background with the Yxy color 27.5804, 0.2633, 0.1947.

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

27.5804, 0.2633, 0.1947

Protanopia

27.9514, 0.2065, 0.1865

Deuteranopia

27.7974, 0.2200, 0.2137



Tritanopia

27.4148, 0.3212, 0.3120

Trichromacy



Original Color

27.5804, 0.2633, 0.1947



Protanomaly

27.2921, 0.2229, 0.1885



Deuteranomaly

27.2762, 0.2329, 0.2049



Tritanomaly

27.0240, 0.2978, 0.2609

Monochromacy



Original Color

27.5804, 0.2633, 0.1947



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.9945, 0.2937, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5804, 0.2633, 0.1947 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(170, 120, 228)` looks like.

```
.text, #text, p{  
    color:rgb(170, 120, 228)  
}
```

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(170, 120, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 120, 228) }
```

Border

The CSS property to change the border of an element to Yxy 27.5804, 0.2633, 0.1947 is called "border". The border property can be set on classes, ids or directly on the HTML element.

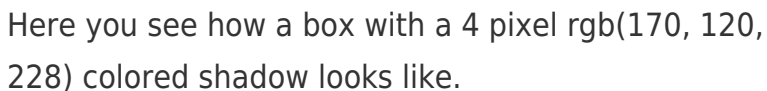
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 120, 228) }
```

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

```
.border{ border-color:rgb(170, 120, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 120, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 120, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 120, 228); box-shadow:4px 4px 4px 4px rgb(170, 120, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5804, 0.2633, 0.1947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 120, 228) }
```

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

```
.background{ background-color: rgb(170,  
120, 228) }
```

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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