

Converting Colors

$Y_{xy}(30.0395, 0.2656, 0.2128)$

Have a look what the booklet for
Yxy(30.0395, 0.2656, 0.2128)
contains.

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Color

Yxy(30.0457, 0.2657, 0.2128)

Conversions

Conversions Part 1

Format	Color
Hex	A784DF
RGB	167, 132, 223
RGB Percent	65%, 52%, 87%
CMY	0.3449, 0.4824, 0.1255
CMYK	0.25, 0.41, 0.00, 0.13
HSL	263°, 59%, 70%
HSV	263°, 41%, 87%
XYZ	37.5148, 30.0457, 73.6317
YIQ	152.8390, -8.3510, 35.7210

Conversions

Conversions Part 2

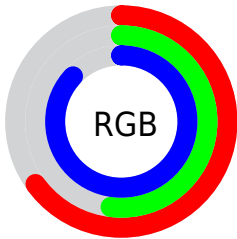
Format	Color
RYB	167, 132, 223
Decimal	10978527
CIELab	61.69, 31.88, -41.59
CIElCh	62, 52.407, 307.470
Yxy	30.0457, 0.2657, 0.2128
Android (android.graphics.Color)	4289168607 (0xFFA784DF)
YUV	152.8390, 34.5894, 12.4192
Hunter-Lab	54.8140, 26.2413, -41.2746

Details

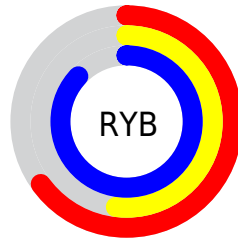
The Yxy color **30.0457, 0.2657, 0.2128** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.1211, 0.3462, 0.4398**, and the grayscale version is **31.6336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1851, 0.2924, 0.2565**, and **12.3353, 0.2501, 0.1836** is the 20% darker color. If you saturate the color by 10%, you get **23.2174, 0.2507, 0.1816**, and if you desaturate by 10%, it is **38.3270, 0.2795, 0.2439**.

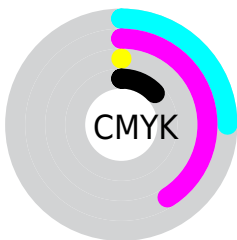
Distribution



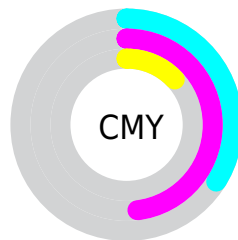
- Red (65%)
- Green (52%)
- Blue (87%)



- Red (65%)
- Yellow (52%)
- Blue (87%)



- Cyan (25%)
- Magenta (41%)
- Yellow (0%)
- Black (13%)





- Cyan (34%)
- Magenta (48%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0457, 0.2657, 0.2128 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 30.0457, 0.2657, 0.2128 by changing the saturation by 10% instead.


 30.0457, 0.2657,
0.2128


 30.0457, 0.2657,
0.2128


302.1174, 0.2915,
0.2694


 19.8733, 0.2587,
0.1994


 59.7344, 0.2755,
0.2329

 12.3030, 0.2495,
0.1828


 80.0196, 0.2791,
0.2406

 6.9504, 0.2369,
0.1617


 104.4443, 0.2820,
0.2471

 3.4311, 0.2190,
0.1346

133.3932, 0.2845,
0.2528

 1.3607, 0.1921,
0.0993

167.2506, 0.2867,
0.2578

 0.1875, 0.1539,
0.0300

206.4008, 0.2885,

 0.0000, 0.0000,

0.2621

0.0000

251.2283, 0.2901,
0.2660

■ 30.0457, 0.2657,
0.2128

■ 30.0457, 0.2657,
0.2128

■ 23.2174, 0.2507,
0.1816

■ 38.3270, 0.2795,
0.2439

■ 17.7506, 0.2351,
0.1516

■ 48.1384, 0.2919,
0.2737

■ 13.5485, 0.2194,
0.1248


■ 59.5552, 0.3027,
0.3016

■ 10.4995, 0.2045,
0.1028


■ 72.6472, 0.3120,
0.3270

■ 8.4710, 0.1913,
0.0868

■ 87.4795, 0.3200,
0.3500

 7.3028, 0.1810,
0.0771

 97.0414, 0.3278,
0.3605

 98.1076, 0.3316,
0.3601

Harmonies

Analogous

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



30.0457, 0.2052, 0.2032



30.0457, 0.2657, 0.2128



30.0457, 0.3492, 0.2451

Triad

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



30.0457, 0.2657, 0.2128



30.0457, 0.4686, 0.4140



30.0457, 0.2020, 0.3525

Complementary

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



30.0457, 0.2657, 0.2128



65.1211, 0.3462, 0.4398

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.



30.0457, 0.2628, 0.4417



30.0457, 0.2657, 0.2128



30.0457, 0.4169, 0.4666

Square

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



30.0457, 0.2657, 0.2128



30.0457, 0.4768, 0.3531



30.0457, 0.3416, 0.4852



30.0457, 0.1724, 0.2699

Rectangle

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



30.0457, 0.2657, 0.2128



30.0457, 0.4064, 0.2766



30.0457, 0.3416, 0.4852



30.0457, 0.2192, 0.3840

Sweetspot

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



30.0469, 0.2657, 0.2128



78.6123, 0.3014, 0.2981



46.2444, 0.2495, 0.2826



16.3712, 0.3000, 0.2946



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.



30.0469, 0.2657, 0.2128



32.6872, 0.2530, 0.1860



35.8788, 0.3074, 0.2258



13.4995, 0.3040, 0.3052



4.3545, 0.1825, 0.0779



0.3523, 0.1998, 0.0875

Inverse Universe

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



35.8129, 0.3524, 0.2643



41.7362, 0.3643, 0.2514



60.2434, 0.3136, 0.4519



13.8414, 0.3196, 0.3147



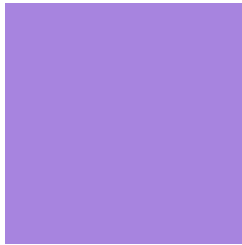
10.3101, 0.4475, 0.2239



0.7320, 0.4228, 0.2103

Previews

White Background



This preview shows how the Yxy color 30.0457, 0.2657, 0.2128 looks on a white background.

Color Contrast Check

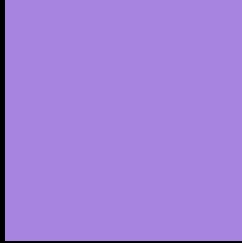
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0457, 0.2657, 0.2128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

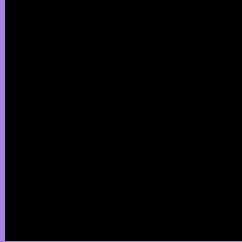
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0457, 0.2657, 0.2128

Background



This preview shows how black text looks on a background with the Yxy color 30.0457, 0.2657, 0.2128.



This preview shows how white text looks on a background with the Yxy color 30.0457, 0.2657, 0.2128.

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

30.0457, 0.2657, 0.2128

Protanopia

30.2689, 0.2232, 0.2081

Deuteranopia

30.2691, 0.2334, 0.2271



Tritanopia

29.9950, 0.3105, 0.3108

Trichromacy



Original Color

30.0457, 0.2657, 0.2128

Protanomaly

29.9702, 0.2365, 0.2088

Deuteranomaly

29.8007, 0.2433, 0.2206

Tritanomaly

29.7981, 0.2923, 0.2700

Monochromacy



Original Color

30.0457, 0.2657, 0.2128

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.7343, 0.2950, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0457, 0.2657, 0.2128 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(167, 132, 223)` looks like.

```
.text, #text, p{  
    color:rgb(167, 132, 223)  
}
```

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(167, 132, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 132, 223) }
```

Border

The CSS property to change the border of an element to Yxy 30.0457, 0.2657, 0.2128 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(167, 132, 223) }
```

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

```
.border{ border-color:rgb(167, 132, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 132, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 132, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 132, 223);  
box-shadow:4px 4px 4px 4px rgb(167, 132,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0457, 0.2657, 0.2128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 132, 223) }
```

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

```
.background{ background-color: rgb(167,  
132, 223) }
```

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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