

Converting Colors

$Y_{xy}(30.0210, 0.2613, 0.2211)$

Have a look what the booklet for
Yxy(30.0210, 0.2613, 0.2211)
contains.

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Color

Yxy(30.1214, 0.2613, 0.2216)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 9D89DA |
| RGB | 157, 137, 218 |
| RGB Percent | 62%, 54%, 85% |
| CMY | 0.3840, 0.4628, 0.1450 |
| CMYK | 0.28, 0.37, 0.00, 0.15 |
| HSL | 255°, 52%, 70% |
| HSV | 255°, 37%, 85% |
| XYZ | 35.5177, 30.1214, 70.2878 |
| YIQ | 152.2140, -14.0810, 29.4310 |

Conversions

Conversions Part 2

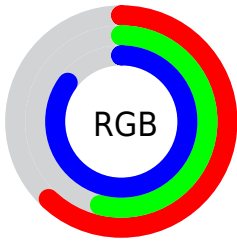
| Format | Color |
|-------------------------------------|--|
| RYB | 157, 137, 218 |
| Decimal | 10324442 |
| CIELab | 61.76, 24.97, -38.78 |
| CIELCh | 62, 46.128, 302.778 |
| Yxy | 30.1214, 0.2613, 0.2216 |
| Android (android.graphics.Color) | 4288514522 (0xFF9D89DA) |
| YUV | 152.2140, 32.4325, 4.1973 |
| Hunter-Lab | 54.8830, 19.4717, -37.5137 |

Details

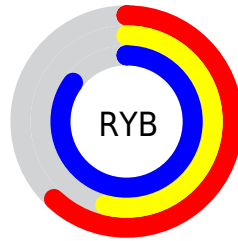
The Yxy color **30.1214, 0.2613, 0.2216** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.9565, 0.3523, 0.4263**, and the grayscale version is **31.3622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6277, 0.2846, 0.2602**, and **12.3443, 0.2433, 0.1924** is the 20% darker color. If you saturate the color by 10%, you get **22.9983, 0.2438, 0.1886**, and if you desaturate by 10%, it is **38.7205, 0.2774, 0.2536**.

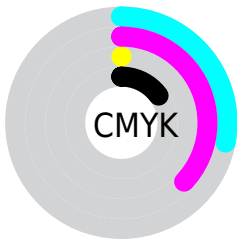
Distribution



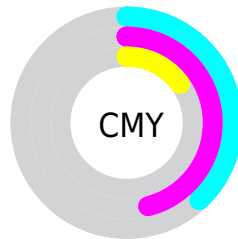
- Red (62%)
- Green (54%)
- Blue (85%)



- Red (62%)
- Yellow (54%)
- Blue (85%)



- Cyan (28%)
- Magenta (37%)
- Yellow (0%)
- Black (15%)





- Cyan (38%)
- Magenta (46%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1214, 0.2613, 0.2216 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 30.1214, 0.2613, 0.2216 by changing the saturation by 10% instead.


 30.1214, 0.2613,
0.2216


 30.1214, 0.2613,
0.2216


302.4699, 0.2891,
0.2747


 19.9308, 0.2539,
0.2088


 59.8541, 0.2718,
0.2406

 12.3447, 0.2441,
0.1928


 80.1650, 0.2756,
0.2478

 6.9789, 0.2308,
0.1722


 104.6180, 0.2788,
0.2540

 3.4489, 0.2119,
0.1453

133.5976, 0.2815,
0.2593

 1.3703, 0.1837,
0.1094

167.4883, 0.2838,
0.2639

 0.1947, 0.1435,
0.0352

206.6742, 0.2858,

 0.0000, 0.0000,

0.2679

0.0000

251.5400, 0.2875,
0.2715

■ 30.1214, 0.2613,
0.2216

■ 30.1214, 0.2613,
0.2216

■ 22.9983, 0.2438,
0.1886

■ 38.7205, 0.2774,
0.2536

■ 17.2629, 0.2257,
0.1561

■ 48.8697, 0.2919,
0.2836

■ 12.8230, 0.2078,
0.1261

■ 60.6426, 0.3047,
0.3111

■ 9.5734, 0.1911,
0.1008

■ 74.1069, 0.3157,
0.3357

■ 7.3915, 0.1770,
0.0819

■ 89.3263, 0.3251,
0.3575

■ 6.1175, 0.1660,
0.0700

■ 97.8432, 0.3345,
0.3651

■ 5.8493, 0.1635,
0.0674

Harmonies

Analogous

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



30.1214, 0.2103, 0.2169



30.1214, 0.2613, 0.2216



30.1214, 0.3333, 0.2480

Triad

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



30.1214, 0.2613, 0.2216



30.1214, 0.4556, 0.3991



30.1214, 0.2215, 0.3631

Complementary

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



30.1214, 0.2613, 0.2216



63.9565, 0.3523, 0.4263

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.



30.1214, 0.2801, 0.4359



30.1214, 0.2613, 0.2216



30.1214, 0.4160, 0.4465

Square

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



30.1214, 0.2613, 0.2216



30.1214, 0.4541, 0.3440



30.1214, 0.3514, 0.4663



30.1214, 0.1891, 0.2878

Rectangle

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



30.1214, 0.2613, 0.2216



30.1214, 0.3842, 0.2754



30.1214, 0.3514, 0.4663



30.1214, 0.2385, 0.3898

Sweetspot

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



30.1226, 0.2613, 0.2216



79.6073, 0.2999, 0.3006



51.2781, 0.2574, 0.3040



16.5451, 0.2981, 0.2969



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.



30.1226, 0.2613, 0.2216



34.4517, 0.2470, 0.1945



34.7381, 0.2966, 0.2317



12.7724, 0.3019, 0.3051



3.5462, 0.1647, 0.0681



0.2702, 0.1813, 0.0773

Inverse Universe

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



36.8670, 0.3363, 0.2580



45.6103, 0.3432, 0.2428



59.2896, 0.3224, 0.4363



13.2168, 0.3175, 0.3116



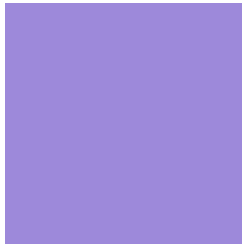
10.5524, 0.3952, 0.1950



0.6970, 0.3805, 0.1870

Previews

White Background



This preview shows how the Yxy color 30.1214, 0.2613, 0.2216 looks on a white background.

Color Contrast Check

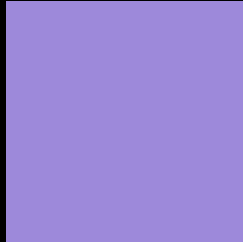
Large Text (above 18pt) WCAG AA × Fail

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 30.1214, 0.2613, 0.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

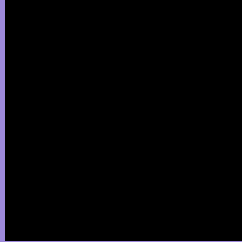
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1214, 0.2613, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 30.1214, 0.2613, 0.2216.



This preview shows how white text looks on a background with the Yxy color 30.1214, 0.2613, 0.2216.

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

30.1214, 0.2613, 0.2216

Protanopia

30.4234, 0.2312, 0.2195

Deuteranopia

30.3486, 0.2384, 0.2322



Tritanopia

30.1791, 0.2986, 0.3104

Trichromacy



Original Color

30.1214, 0.2613, 0.2216

Protanomaly

30.0410, 0.2409, 0.2195

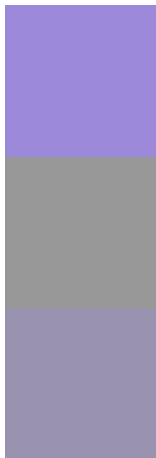
Deuteranomaly

30.1072, 0.2455, 0.2275

Tritanomaly

30.1122, 0.2840, 0.2745

Monochromacy



Original Color

30.1214, 0.2613, 0.2216

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8721, 0.2930, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1214, 0.2613, 0.2216 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, 137, 218)` looks like.

```
.text, #text, p{  
    color:rgb(157, 137, 218)  
}
```

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, 137, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 137, 218) }
```

Border

The CSS property to change the border of an element to Yxy 30.1214, 0.2613, 0.2216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

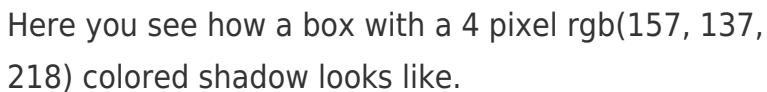
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 137, 218) }
```

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

```
.border{ border-color:rgb(157, 137, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 137, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 137, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 137, 218); box-shadow:4px 4px 4px 4px rgb(157, 137, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1214, 0.2613, 0.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 137, 218) }
```

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

```
.background{ background-color: rgb(157,  
137, 218) }
```

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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