

Converting Colors

$Y_{xy}(30.6134, 0.2602, 0.2251)$

Have a look what the booklet for
Yxy(30.6134, 0.2602, 0.2251)
contains.

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Color

Yxy(30.7345, 0.2607, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	9B8CD9
RGB	155, 140, 217
RGB Percent	61%, 55%, 85%
CMY	0.3921, 0.4510, 0.1490
CMYK	0.29, 0.35, 0.00, 0.15
HSL	252°, 50%, 70%
HSV	252°, 35%, 85%
XYZ	35.4221, 30.7345, 69.7165
YIQ	153.2630, -15.7770, 27.1270

Conversions

Conversions Part 2

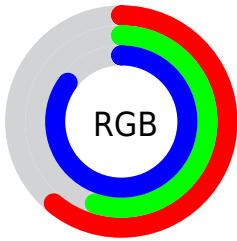
Format	Color
RYB	155, 140, 217
Decimal	10194137
CIELab	62.28, 22.39, -37.41
CIELCh	62, 43.599, 300.902
Yxy	30.7345, 0.2607, 0.2262
Android (android.graphics.Color)	4288384217 (0xFF9B8CD9)
YUV	153.2630, 31.4223, 1.5233
Hunter-Lab	55.4387, 17.0334, -35.7526

Details

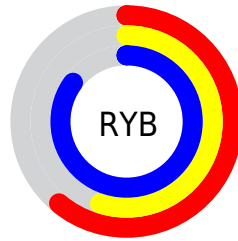
The Yxy color **30.7345, 0.2607, 0.2262** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.0796, 0.3539, 0.4207**, and the grayscale version is **31.8426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6525, 0.2833, 0.2633**, and **12.7457, 0.2438, 0.1985** is the 20% darker color. If you saturate the color by 10%, you get **23.4016, 0.2424, 0.1927**, and if you desaturate by 10%, it is **39.5704, 0.2776, 0.2584**.

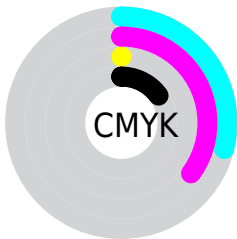
Distribution



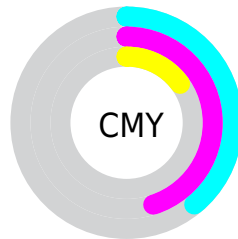
- Red (61%)
- Green (55%)
- Blue (85%)



- Red (61%)
- Yellow (55%)
- Blue (85%)



- Cyan (29%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)




- Cyan (39%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7345, 0.2607, 0.2262 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 30.7345, 0.2607, 0.2262 by changing the saturation by 10% instead.


 30.7345, 0.2607,
0.2262

 30.7345, 0.2607,
0.2262


305.3133, 0.2886,
0.2772


 20.3968, 0.2533,
0.2139

 60.8218, 0.2712,
0.2445

 12.6838, 0.2436,
0.1983

 81.3402, 0.2750,
0.2514

 7.2112, 0.2303,
0.1784


 106.0209, 0.2783,
0.2573

 3.5945, 0.2116,
0.1520

135.2483, 0.2810,
0.2624

 1.4494, 0.1836,
0.1165

169.4069, 0.2833,
0.2668

 0.2527, 0.1431,
0.0460

208.8810, 0.2853,

 0.0000, 0.0000,

0.2707

0.0000

254.0550, 0.2871,
0.2741

■ 30.7345, 0.2607,
0.2262

■ 30.7345, 0.2607,
0.2262

■ 23.4016, 0.2424,
0.1927

■ 39.5704, 0.2776,
0.2584

■ 17.4834, 0.2234,
0.1593

■ 49.9836, 0.2928,
0.2883

■ 12.8883, 0.2047,
0.1282

■ 62.0477, 0.3062,
0.3154

■ 9.5116, 0.1876,
0.1016

■ 75.8306, 0.3177,
0.3395

■ 7.2330, 0.1732,
0.0814

■ 91.3964, 0.3276,
0.3608

■ 5.9057, 0.1624,
0.0687

■ 97.7902, 0.3351,
0.3661

■ 5.5089, 0.1587,
0.0648

Harmonies

Analogous

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



30.7345, 0.2136, 0.2233



30.7345, 0.2607, 0.2262



30.7345, 0.3278, 0.2502

Triad

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



30.7345, 0.2607, 0.2262



30.7345, 0.4486, 0.3931



30.7345, 0.2296, 0.3659

Complementary

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



30.7345, 0.2607, 0.2262



64.0796, 0.3539, 0.4207

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.



30.7345, 0.2865, 0.4319



30.7345, 0.2607, 0.2262



30.7345, 0.4139, 0.4381

Square

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



30.7345, 0.2607, 0.2262



30.7345, 0.4440, 0.3407



30.7345, 0.3541, 0.4577



30.7345, 0.1969, 0.2947

Rectangle

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



30.7345, 0.2607, 0.2262



30.7345, 0.3757, 0.2757



30.7345, 0.3541, 0.4577



30.7345, 0.2464, 0.3904

Sweetspot

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



30.7357, 0.2607, 0.2262



79.3567, 0.2989, 0.3005



53.2456, 0.2605, 0.3105



16.4858, 0.2970, 0.2968



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.



30.7357, 0.2607, 0.2262



35.7636, 0.2463, 0.1997



35.0539, 0.2940, 0.2353



12.7388, 0.3011, 0.3050



3.3694, 0.1597, 0.0654



0.2542, 0.1749, 0.0737

Inverse Universe

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



37.7729, 0.3309, 0.2569



47.5369, 0.3361, 0.2413



59.4572, 0.3249, 0.4299



13.2291, 0.3167, 0.3104



10.8115, 0.3770, 0.1851



0.7118, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 30.7345, 0.2607, 0.2262 looks on a white background.

Color Contrast Check

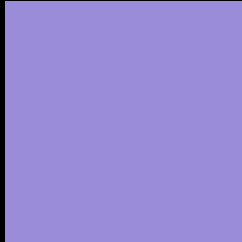
Large Text (above 18pt) WCAG AA × Fail

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 30.7345, 0.2607, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

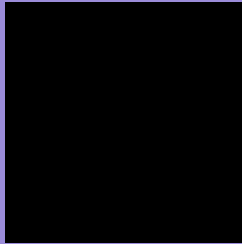
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7345, 0.2607, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 30.7345, 0.2607, 0.2262.



This preview shows how white text looks on a background with the Yxy color 30.7345, 0.2607, 0.2262.

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

30.7345, 0.2607, 0.2262

Protanopia

30.9216, 0.2352, 0.2237

Deuteranopia

30.8368, 0.2413, 0.2353



Tritanopia

30.7069, 0.2950, 0.3104

Trichromacy



Original Color

30.7345, 0.2607, 0.2262

Protanomaly

30.7055, 0.2440, 0.2248

Deuteranomaly

30.8340, 0.2480, 0.2318

Tritanomaly

30.5822, 0.2814, 0.2759

Monochromacy



Original Color

30.7345, 0.2607, 0.2262

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.1844, 0.2930, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7345, 0.2607, 0.2262 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(155, 140, 217)` looks like.

```
.text, #text, p{  
    color:rgb(155, 140, 217)  
}
```

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(155, 140, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 140, 217) }
```

Border

The CSS property to change the border of an element to Yxy 30.7345, 0.2607, 0.2262 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(155, 140, 217) }
```

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

```
.border{ border-color:rgb(155, 140, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 140, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 140, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 140, 217); box-shadow:4px 4px 4px 4px rgb(155, 140, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7345, 0.2607, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 140, 217) }
```

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

```
.background{ background-color: rgb(155,  
140, 217) }
```

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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