

Converting Colors

$Y_{xy}(32.9957, 0.2623, 0.2213)$

Have a look what the booklet for
Yxy(32.9957, 0.2623, 0.2213)
contains.

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Color

Yxy(32.8914, 0.2623, 0.2209)

Conversions

Conversions Part 1

Format	Color
Hex	A58EE3
RGB	165, 142, 227
RGB Percent	65%, 56%, 89%
CMY	0.3529, 0.4431, 0.1099
CMYK	0.27, 0.37, 0.00, 0.11
HSL	256°, 60%, 72%
HSV	256°, 37%, 89%
XYZ	39.0557, 32.8914, 76.9501
YIQ	158.5670, -13.5770, 31.3110

Conversions

Conversions Part 2

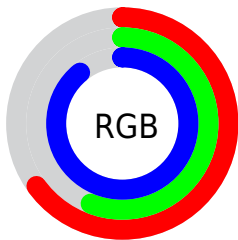
Format	Color
RYB	165, 142, 227
Decimal	10850019
CIELab	64.07, 26.58, -40.09
CIELCh	64, 48.102, 303.545
Yxy	32.8914, 0.2623, 0.2209
Android (android.graphics.Color)	4289040099 (0xFFA58EE3)
YUV	158.5670, 33.7375, 5.6417
Hunter-Lab	57.3510, 21.1933, -39.4060

Details

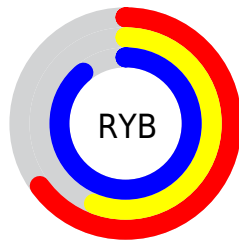
The Yxy color **32.8914, 0.2623, 0.2209** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.7139, 0.3512, 0.4277**, and the grayscale version is **34.3129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0720, 0.2905, 0.2667**, and **13.8020, 0.2461, 0.1925** is the 20% darker color. If you saturate the color by 10%, you get **25.1506, 0.2452, 0.1881**, and if you desaturate by 10%, it is **42.2396, 0.2781, 0.2528**.

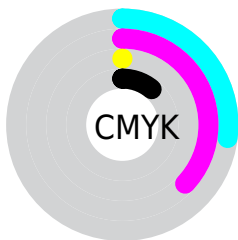
Distribution



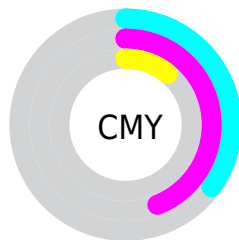
- Red (65%)
- Green (56%)
- Blue (89%)



- Red (65%)
- Yellow (56%)
- Blue (89%)



- Cyan (27%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)




- Cyan (35%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8914, 0.2623, 0.2209 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 32.8914, 0.2623, 0.2209 by changing the saturation by 10% instead.

 32.8914, 0.2623,
0.2209


 32.8914, 0.2623,
0.2209


315.1601, 0.2892,
0.2735


 22.0433, 0.2552,
0.2085


 64.2059, 0.2724,
0.2395

 13.8887, 0.2460,
0.1930


 85.4411, 0.2761,
0.2467

 8.0433, 0.2336,
0.1734


 110.9075, 0.2792,
0.2528

 4.1227, 0.2161,
0.1480

140.9893, 0.2818,
0.2580

 1.7424, 0.1904,
0.1145

176.0711, 0.2841,
0.2626

 0.4509, 0.1523,
0.0624

216.5373, 0.2860,

 0.0000, 0.0097,

0.2667

0.0000

262.7721, 0.2877,
0.2703

0.0000, 0.0000,
0.0000

32.8914, 0.2623,
0.2209

32.8914, 0.2623,
0.2209

25.1506, 0.2452,
0.1881

42.2396, 0.2781,
0.2528

18.9205, 0.2274,
0.1559

53.2765, 0.2922,
0.2828

14.1000, 0.2098,
0.1263

66.0825, 0.3046,
0.3103

10.5734, 0.1933,
0.1013

80.7316, 0.3153,
0.3351

8.2059, 0.1792,
0.0826

96.9795, 0.3245,
0.3566

■ 6.8198, 0.1681,
0.0710

■ 98.3251, 0.3292,
0.3562

■ 6.5526, 0.1657,
0.0686

Harmonies

Analogous

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



32.8914, 0.2101, 0.2155



32.8914, 0.2623, 0.2209



32.8914, 0.3355, 0.2481

Triad

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



32.8914, 0.2623, 0.2209



32.8914, 0.4567, 0.4011



32.8914, 0.2192, 0.3614

Complementary

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



32.8914, 0.2623, 0.2209



69.7139, 0.3512, 0.4277

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.



32.8914, 0.2778, 0.4360



32.8914, 0.2623, 0.2209



32.8914, 0.4156, 0.4488

Square

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



32.8914, 0.2623, 0.2209



32.8914, 0.4565, 0.3454



32.8914, 0.3498, 0.4681



32.8914, 0.1873, 0.2855

Rectangle

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



32.8914, 0.2623, 0.2209



32.8914, 0.3870, 0.2759



32.8914, 0.3498, 0.4681



32.8914, 0.2362, 0.3886

Sweetspot

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



32.8927, 0.2623, 0.2209



79.7161, 0.3003, 0.3007



54.6343, 0.2564, 0.3001



16.5709, 0.2986, 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.



32.8927, 0.2623, 0.2209



34.7446, 0.2490, 0.1951



38.1788, 0.2990, 0.2315



14.0751, 0.3022, 0.3050



3.8714, 0.1670, 0.0693



0.3309, 0.1820, 0.0776

Inverse Universe

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



40.0321, 0.3385, 0.2594



45.4667, 0.3457, 0.2452



64.5452, 0.3205, 0.4381



14.5451, 0.3179, 0.3120



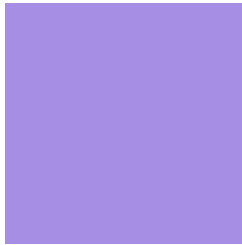
11.1400, 0.4036, 0.1997



0.8385, 0.3887, 0.1915

Previews

White Background



This preview shows how the Yxy color 32.8914, 0.2623, 0.2209 looks on a white background.

Color Contrast Check

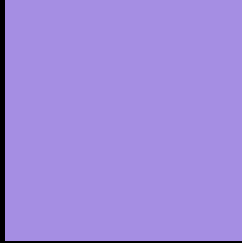
Large Text (above 18pt) WCAG AA × Fail

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 32.8914, 0.2623, 0.2209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

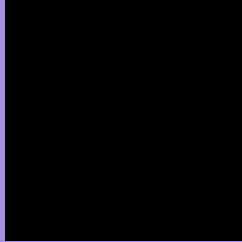
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8914, 0.2623, 0.2209

Background



This preview shows how black text looks on a background with the Yxy color 32.8914, 0.2623, 0.2209.



This preview shows how white text looks on a background with the Yxy color 32.8914, 0.2623, 0.2209.

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

32.8914, 0.2623, 0.2209

Protanopia

33.2742, 0.2306, 0.2184

Deuteranopia

33.0822, 0.2386, 0.2328



Tritanopia

33.0050, 0.3001, 0.3111

Trichromacy



Original Color

32.8914, 0.2623, 0.2209

Protanomaly

32.9535, 0.2406, 0.2186

Deuteranomaly

32.9117, 0.2462, 0.2284

Tritanomaly

32.6549, 0.2849, 0.2737

Monochromacy



Original Color

32.8914, 0.2623, 0.2209

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.8202, 0.2929, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8914, 0.2623, 0.2209 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(165, 142, 227)` looks like.

```
.text, #text, p{  
    color:rgb(165, 142, 227)  
}
```

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(165, 142, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 142, 227) }
```

Border

The CSS property to change the border of an element to Yxy 32.8914, 0.2623, 0.2209 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(165, 142, 227) }
```

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

```
.border{ border-color:rgb(165, 142, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 142, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 142, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 142, 227);  
box-shadow:4px 4px 4px 4px rgb(165, 142,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8914, 0.2623, 0.2209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 142, 227) }
```

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

```
.background{ background-color: rgb(165,  
142, 227) }
```

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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