

Converting Colors

$Y_{xy}(29.0146, 0.2289, 0.2047)$

Have a look what the booklet for
Yxy(29.0146, 0.2289, 0.2047)
contains.

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Color

Yxy(28.9423, 0.2289, 0.2044)

Conversions

Conversions Part 1

Format	Color
Hex	7D8CE8
RGB	125, 140, 232
RGB Percent	49%, 55%, 91%
CMY	0.5095, 0.4511, 0.0901
CMYK	0.46, 0.40, 0.00, 0.09
HSL	232°, 70%, 70%
HSV	232°, 46%, 91%
XYZ	32.4114, 28.9423, 80.2427
YIQ	146.0030, -38.4720, 25.4320

Conversions

Conversions Part 2

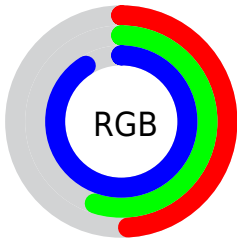
Format	Color
RYB	125, 138, 232
Decimal	8228072
CIELab	60.73, 18.58, -48.36
CIElCh	61, 51.807, 291.022
Yxy	28.9423, 0.2289, 0.2044
Android (android.graphics.Color)	4286418152 (0xFF7D8CE8)
YUV	146.0030, 42.3965, -18.4196
Hunter-Lab	53.7980, 13.3933, -50.7756

Details

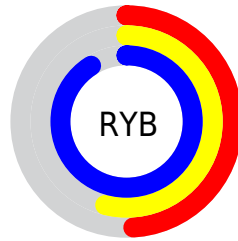
The Yxy color **28.9423, 0.2289, 0.2044** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.3311, 0.3876, 0.4283**, and the grayscale version is **28.5859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3050, 0.2636, 0.2584**, and **11.6402, 0.2029, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **22.0804, 0.2089, 0.1724**, and if you desaturate by 10%, it is **37.2730, 0.2491, 0.2357**.

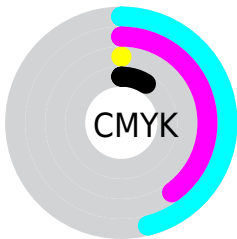
Distribution



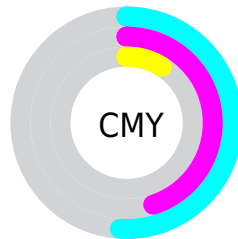
- Red (49%)
- Green (55%)
- Blue (91%)



- Red (49%)
- Yellow (54%)
- Blue (91%)



- Cyan (46%)
- Magenta (40%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (45%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9423, 0.2289, 0.2044 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 28.9423, 0.2289, 0.2044 by changing the saturation by 10% instead.


 28.9423, 0.2289,
0.2044


 28.9423, 0.2289,
0.2044

296.9426, 0.2728,
0.2658


 19.0372, 0.2178,
0.1899

 57.9854, 0.2451,
0.2262

 11.6971, 0.2035,
0.1719


 77.8922, 0.2511,
0.2346

 6.5378, 0.1849,
0.1493


 101.9016, 0.2562,
0.2417

 3.1748, 0.1598,
0.1205

130.3981, 0.2605,
0.2479

 1.2236, 0.1255,
0.0843

163.7661, 0.2642,
0.2532

 0.0809, 0.0772,
0.0118

202.3899, 0.2674,

 0.0000, 0.0000,

0.2579

0.0000

246.6539, 0.2702,
0.2621

■ 28.9423, 0.2289,
0.2044

■ 28.9423, 0.2289,
0.2044

■ 22.0804, 0.2089,
0.1724

■ 37.2730, 0.2491,
0.2357

■ 16.5981, 0.1903,
0.1415

■ 47.1485, 0.2686,
0.2651

■ 12.4012, 0.1744,
0.1136

■ 58.6431, 0.2868,
0.2919

■ 9.3817, 0.1623,
0.0907

■ 71.8254, 0.3034,
0.3158

■ 7.4130, 0.1547,
0.0742

■ 86.7601, 0.3183,
0.3369

■ 6.8792, 0.1527,
0.0696

■ 98.6078, 0.3262,
0.3512

Harmonies

Analogous

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



28.9423, 0.1844, 0.2089



28.9423, 0.2289, 0.2044



28.9423, 0.3015, 0.2247

Triad

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



28.9423, 0.2289, 0.2044



28.9423, 0.4797, 0.3807



28.9423, 0.2319, 0.4040

Complementary

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



28.9423, 0.2289, 0.2044



68.3311, 0.3876, 0.4283

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.



28.9423, 0.3051, 0.4739



28.9423, 0.2289, 0.2044



28.9423, 0.4496, 0.4400

Square

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



28.9423, 0.2289, 0.2044



28.9423, 0.4584, 0.3202



28.9423, 0.3847, 0.4814



28.9423, 0.1845, 0.3118

Rectangle

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



28.9423, 0.2289, 0.2044



28.9423, 0.3598, 0.2501



28.9423, 0.3847, 0.4814



28.9423, 0.2542, 0.4327

Sweetspot

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



28.9433, 0.2289, 0.2044



75.7863, 0.2903, 0.2970



67.0517, 0.2589, 0.3491



15.5033, 0.2865, 0.2915



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.



28.9433, 0.2289, 0.2044



27.9806, 0.2105, 0.1750



28.2478, 0.2545, 0.1948



14.2095, 0.2980, 0.3081



3.9246, 0.1532, 0.0713



0.3933, 0.1591, 0.0928

Inverse Universe

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



33.7388, 0.4199, 0.3123



35.1941, 0.4548, 0.3098



70.7598, 0.3526, 0.4538



14.4005, 0.3271, 0.3258



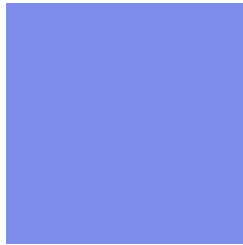
9.5939, 0.6211, 0.3195



0.7194, 0.5869, 0.3007

Previews

White Background



This preview shows how the Yxy color 28.9423, 0.2289, 0.2044 looks on a white background.

Color Contrast Check

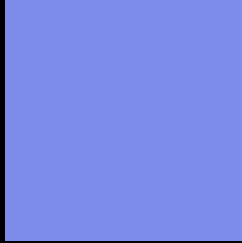
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9423, 0.2289, 0.2044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

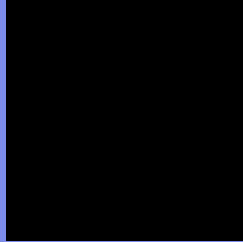
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9423, 0.2289, 0.2044

Background



This preview shows how black text looks on a background with the Yxy color 28.9423, 0.2289, 0.2044.



This preview shows how white text looks on a background with the Yxy color 28.9423, 0.2289, 0.2044.

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

28.9423, 0.2289, 0.2044

Protanopia

29.0226, 0.2195, 0.2030

Deuteranopia

29.0366, 0.2161, 0.2095



Tritanopia

28.9285, 0.2603, 0.3088

Trichromacy



Original Color

28.9423, 0.2289, 0.2044

Protanomaly

28.9995, 0.2227, 0.2035

Deuteranomaly

28.9672, 0.2205, 0.2080

Tritanomaly

28.7233, 0.2477, 0.2649

Monochromacy



Original Color

28.9423, 0.2289, 0.2044

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.5241, 0.2769, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9423, 0.2289, 0.2044 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(125, 140, 232)` looks like.

```
.text, #text, p{  
    color:rgb(125, 140, 232)  
}
```

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(125, 140, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 140, 232) }
```

Border

The CSS property to change the border of an element to Yxy 28.9423, 0.2289, 0.2044 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(125, 140, 232) }
```

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

```
.border{ border-color:rgb(125, 140, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 140, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 140, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 140, 232);  
box-shadow:4px 4px 4px 4px rgb(125, 140,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9423, 0.2289, 0.2044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 140, 232) }
```

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

```
.background{ background-color: rgb(125,  
140, 232) }
```

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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