

Converting Colors

$Y_{xy}(27.1690, 0.2196, 0.1952)$

Have a look what the booklet for
Yxy(27.1690, 0.2196, 0.1952)
contains.

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Color

Yxy(27.1262, 0.2198, 0.1949)

Conversions

Conversions Part 1

Format	Color
Hex	7288EA
RGB	114, 136, 234
RGB Percent	45%, 53%, 92%
CMY	0.5530, 0.4666, 0.0824
CMYK	0.51, 0.42, 0.00, 0.08
HSL	229°, 74%, 68%
HSV	229°, 51%, 92%
XYZ	30.5918, 27.1262, 81.4621
YIQ	140.5940, -44.5700, 25.8140

Conversions

Conversions Part 2

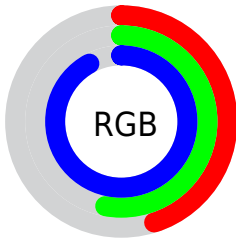
Format	Color
RYB	114, 133, 234
Decimal	7506154
CIELab	59.09, 18.99, -52.10
CIElCh	59, 55.449, 290.026
Yxy	27.1262, 0.2198, 0.1949
Android (android.graphics.Color)	4285696234 (0xFF7288EA)
YUV	140.5940, 46.0492, -23.3229
Hunter-Lab	52.0828, 13.7003, -56.2768

Details

The Yxy color **27.1262, 0.2198, 0.1949** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.7765, 0.3988, 0.4336**, and the grayscale version is **26.2981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3858, 0.2566, 0.2524**, and **10.7876, 0.1921, 0.1605** is the 20% darker color. If you saturate the color by 10%, you get **20.8434, 0.2008, 0.1643**, and if you desaturate by 10%, it is **34.7712, 0.2395, 0.2253**.

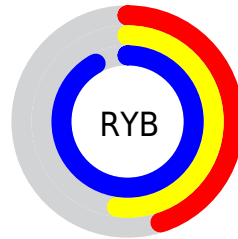
Distribution



Red (45%)

Green (53%)

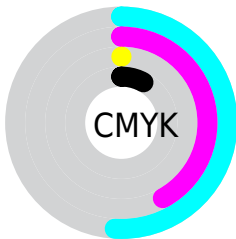
Blue (92%)



Red (45%)

Yellow (52%)

Blue (92%)

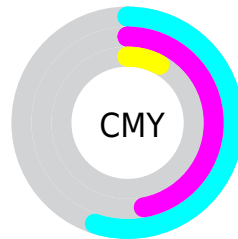


Cyan (51%)

Magenta (42%)

Yellow (0%)

Black (8%)



Cyan (55%)

Magenta (47%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1262, 0.2198, 0.1949 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 27.1262, 0.2198, 0.1949 by changing the saturation by 10% instead.

■ 27.1262, 0.2198,
0.1949

■ 27.1262, 0.2198,
0.1949

■ 288.2676, 0.2685,
0.2610

■ 17.6680, 0.2075,
0.1794

■ 55.0863, 0.2377,
0.2183

■ 10.7119, 0.1919,
0.1603

■ 74.3570, 0.2444,
0.2273

■ 5.8735, 0.1715,
0.1364

■ 97.6674, 0.2500,
0.2350

■ 2.7683, 0.1446,
0.1067

■ 125.4018, 0.2548,
0.2416

■ 1.0120, 0.1087,
0.0704

■ 157.9446, 0.2589,
0.2474

■ 0.0000, 0.0537,
0.0000

■ 195.6803, 0.2625,

■ 0.0000, 0.0000,

0.2525

0.0000

238.9932, 0.2657,
0.2570

■ 27.1262, 0.2198,
0.1949

■ 27.1262, 0.2198,
0.1949

■ 20.8434, 0.2008,
0.1643

■ 34.7712, 0.2395,
0.2253

■ 15.8379, 0.1838,
0.1352

■ 43.8507, 0.2591,
0.2542

■ 12.0190, 0.1698,
0.1094

■ 54.4353, 0.2777,
0.2810

■ 9.2821, 0.1598,
0.0886

■ 66.5897, 0.2950,
0.3051

■ 7.6645, 0.1542,
0.0752

■ 80.3752, 0.3108,
0.3264

95.8494, 0.3250,
0.3452

98.7203, 0.3250,
0.3493

Harmonies

Analogous

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



27.1262, 0.1737, 0.2001



27.1262, 0.2198, 0.1949



27.1262, 0.2970, 0.2158

Triad

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



27.1262, 0.2198, 0.1949



27.1262, 0.4943, 0.3802



27.1262, 0.2265, 0.4149

Complementary

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



27.1262, 0.2198, 0.1949



65.7765, 0.3988, 0.4336

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.



27.1262, 0.3058, 0.4907



27.1262, 0.2198, 0.1949



27.1262, 0.4616, 0.4448

Square

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



27.1262, 0.2198, 0.1949



27.1262, 0.4701, 0.3161



27.1262, 0.3915, 0.4938



27.1262, 0.1753, 0.3122

Rectangle

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



27.1262, 0.2198, 0.1949



27.1262, 0.3604, 0.2423



27.1262, 0.3915, 0.4938



27.1262, 0.2507, 0.4467

Sweetspot

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



27.1271, 0.2198, 0.1949



75.1217, 0.2886, 0.2963



67.0723, 0.2574, 0.3597



15.4081, 0.2850, 0.2912



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.



27.1271, 0.2198, 0.1949



24.6572, 0.1990, 0.1613



24.4527, 0.2411, 0.1763



14.9961, 0.2980, 0.3092



4.4389, 0.1548, 0.0772



0.4755, 0.1613, 0.1007

Inverse Universe

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



31.2995, 0.4323, 0.3048



31.2952, 0.4750, 0.3017



72.0625, 0.3604, 0.4658



15.0992, 0.3264, 0.3247



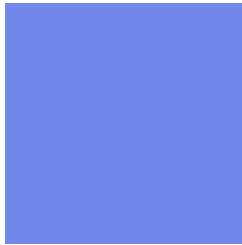
9.9409, 0.6114, 0.3142



0.7934, 0.5749, 0.2941

Previews

White Background



This preview shows how the Yxy color 27.1262, 0.2198, 0.1949 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 27.1262, 0.2198, 0.1949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

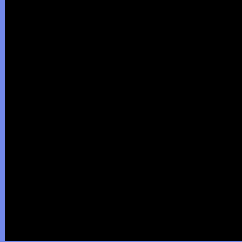
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1262, 0.2198, 0.1949

Background



This preview shows how black text looks on a background with the Yxy color 27.1262, 0.2198, 0.1949.



This preview shows how white text looks on a background with the Yxy color 27.1262, 0.2198, 0.1949.

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

27.1262, 0.2198, 0.1949

Protanopia

27.2881, 0.2123, 0.1948

Deuteranopia

27.1605, 0.2066, 0.1995



Tritanopia

27.0377, 0.2501, 0.3062

Trichromacy



Original Color

27.1262, 0.2198, 0.1949

Protanomaly

27.2393, 0.2152, 0.1952

Deuteranomaly

27.1262, 0.2113, 0.1982

Tritanomaly

26.8845, 0.2377, 0.2597

Monochromacy



Original Color

27.1262, 0.2198, 0.1949

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.3857, 0.2715, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1262, 0.2198, 0.1949 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(114, 136, 234)` looks like.

```
.text, #text, p{  
    color:rgb(114, 136, 234)  
}
```

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(114, 136, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 136, 234) }
```

Border

The CSS property to change the border of an element to Yxy 27.1262, 0.2198, 0.1949 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(114, 136, 234) }
```

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

```
.border{ border-color:rgb(114, 136, 234) }
```

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

Here you see how a box with a 4 pixel rgb(114, 136, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 136, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 136, 234);  
box-shadow:4px 4px 4px 4px rgb(114, 136,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1262, 0.2198, 0.1949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 136, 234) }
```

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

```
.background{ background-color: rgb(114,  
136, 234) }
```

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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