

Converting Colors

$Y_{xy}(29.7900, 0.2244, 0.2096)$

Have a look what the booklet for
Yxy(29.7900, 0.2244, 0.2096)
contains.

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Color

Yxy(29.7900, 0.2244, 0.2096)

Conversions

Conversions Part 1

Format	Color
Hex	7491E8
RGB	116, 145, 232
RGB Percent	45%, 57%, 91%
CMY	0.5453, 0.4314, 0.0900
CMYK	0.50, 0.38, 0.00, 0.09
HSL	225°, 72%, 68%
HSV	225°, 50%, 91%
XYZ	31.8935, 29.7900, 80.4444
YIQ	146.2470, -45.2110, 20.9090

Conversions

Conversions Part 2

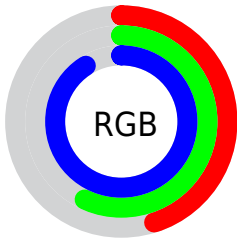
Format	Color
R _Y B	116, 139, 232
Decimal	7639528
CIE Lab	61.47, 13.52, -47.23
CIE LCh	61, 49.126, 285.969
Yxy	29.7900, 0.2244, 0.2096
Android (android.graphics.Color)	4285829608 (0xFF7491E8)
YUV	146.2470, 42.2762, -26.5266
Hunter-Lab	54.5802, 8.7896, -49.1798

Details

The Yxy color **29.7900, 0.2244, 0.2096** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.1332, 0.4008, 0.4240**, and the grayscale version is **28.6859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9511, 0.2587, 0.2645**, and **12.1598, 0.1982, 0.1777** is the 20% darker color. If you saturate the color by 10%, you get **23.4789, 0.2061, 0.1810**, and if you desaturate by 10%, it is **37.3145, 0.2434, 0.2375**.

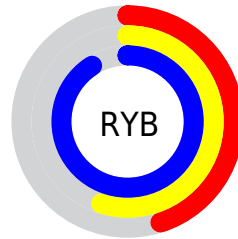
Distribution



Red (45%)

Green (57%)

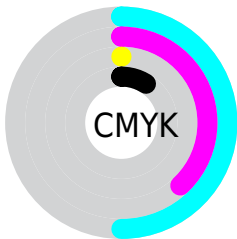
Blue (91%)



Red (45%)

Yellow (55%)

Blue (91%)

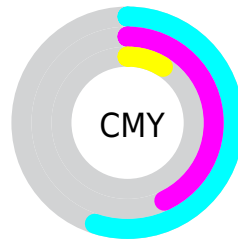


Cyan (50%)

Magenta (38%)

Yellow (0%)

Black (9%)



Cyan (55%)


Magenta (43%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7900, 0.2244, 0.2096 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 29.7900, 0.2244, 0.2096 by changing the saturation by 10% instead.


 29.7900, 0.2244,
0.2096


 29.7900, 0.2244,
0.2096


300.9244, 0.2701,
0.2688

 19.6792, 0.2129,
0.1955


 59.3299, 0.2411,
0.2307

 12.1621, 0.1983,
0.1779


 79.5279, 0.2474,
0.2388

 6.8542, 0.1793,
0.1557


 103.8570, 0.2527,
0.2457

 3.3711, 0.1539,
0.1273

132.7017, 0.2572,
0.2516

 1.3284, 0.1196,
0.0910

166.4464, 0.2611,
0.2567

 0.1630, 0.0698,
0.0235

205.4755, 0.2645,

 0.0000, 0.0000,

0.2613

0.0000

250.1734, 0.2675,
0.2652

■ 29.7900, 0.2244,
0.2096

■ 29.7900, 0.2244,
0.2096

■ 23.4789, 0.2061,
0.1810

■ 37.3145, 0.2434,
0.2375

■ 18.3109, 0.1894,
0.1530

■ 46.1108, 0.2622,
0.2638

■ 14.2130, 0.1752,
0.1270


■ 56.2372, 0.2802,
0.2879

■ 11.1007, 0.1646,
0.1046

■ 67.7473, 0.2971,
0.3097

■ 8.8609, 0.1574,
0.0867

■ 80.6918, 0.3127,
0.3290

 95.0836, 0.3267,
0.3459

 98.6086, 0.3262,
0.3512

Harmonies

Analogous

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



29.7900, 0.1864, 0.2187



29.7900, 0.2244, 0.2096



29.7900, 0.2894, 0.2252

Triad

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



29.7900, 0.2244, 0.2096



29.7900, 0.4703, 0.3695



29.7900, 0.2473, 0.4130

Complementary

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



29.7900, 0.2244, 0.2096



61.1332, 0.4008, 0.4240

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.



29.7900, 0.3193, 0.4698



29.7900, 0.2244, 0.2096



29.7900, 0.4501, 0.4263

Square

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



29.7900, 0.2244, 0.2096



29.7900, 0.4411, 0.3121



29.7900, 0.3935, 0.4687



29.7900, 0.1969, 0.3273

Rectangle

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



29.7900, 0.2244, 0.2096



29.7900, 0.3432, 0.2474



29.7900, 0.3935, 0.4687



29.7900, 0.2697, 0.4375

Sweetspot

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



29.7910, 0.2244, 0.2096



76.5008, 0.2887, 0.2990



65.6687, 0.2622, 0.3693



15.7365, 0.2851, 0.2943



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.



29.7910, 0.2244, 0.2096



28.8839, 0.2056, 0.1802



24.1534, 0.2370, 0.1781



14.4702, 0.2980, 0.3108



5.0857, 0.1581, 0.0892



0.5208, 0.1658, 0.1170

Inverse Universe

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



31.6886, 0.4177, 0.2965



32.6646, 0.4532, 0.2917



71.9703, 0.3653, 0.4598



14.4269, 0.3253, 0.3231



9.7111, 0.5923, 0.3037



0.7323, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 29.7900, 0.2244, 0.2096 looks on a white background.

Color Contrast Check

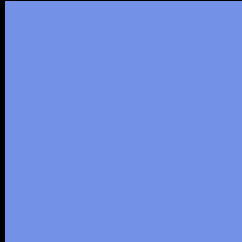
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7900, 0.2244, 0.2096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

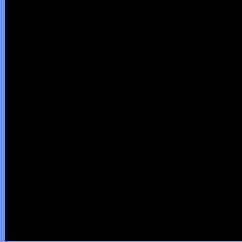
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7900, 0.2244, 0.2096

Background



This preview shows how black text looks on a background with the Yxy color 29.7900, 0.2244, 0.2096.



This preview shows how white text looks on a background with the Yxy color 29.7900, 0.2244, 0.2096.

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

29.7900, 0.2244, 0.2096

Protanopia

29.7900, 0.2244, 0.2096

Deuteranopia

29.8924, 0.2189, 0.2130



Tritanopia

29.8428, 0.2515, 0.3087

Trichromacy



Original Color

29.7900, 0.2244, 0.2096

Protanomaly

29.7900, 0.2244, 0.2096

Deuteranomaly

29.8251, 0.2208, 0.2121

Tritanomaly

29.5163, 0.2400, 0.2662

Monochromacy



Original Color

29.7900, 0.2244, 0.2096

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.8830, 0.2745, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7900, 0.2244, 0.2096 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(116, 145, 232)` looks like.

```
.text, #text, p{  
    color:rgb(116, 145, 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(116, 145, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 145, 232) }
```

Border

The CSS property to change the border of an element to Yxy 29.7900, 0.2244, 0.2096 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(116, 145, 232) }
```

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

```
.border{ border-color:rgb(116, 145, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 145, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 145, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 145, 232);  
box-shadow:4px 4px 4px 4px rgb(116, 145,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7900, 0.2244, 0.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 145, 232) }
```

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

```
.background{ background-color: rgb(116,  
145, 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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