

Converting Colors

$Yxy(29.4687, 0.2248, 0.2082)$

Have a look what the booklet for
Yxy(29.4687, 0.2248, 0.2082)
contains.

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Color

Yxy(29.5546, 0.2248, 0.2084)

Conversions

Conversions Part 1

Format	Color
Hex	7590E8
RGB	117, 144, 232
RGB Percent	46%, 56%, 91%
CMY	0.5410, 0.4353, 0.0901
CMYK	0.50, 0.38, 0.00, 0.09
HSL	226°, 71%, 68%
HSV	226°, 50%, 91%
XYZ	31.8804, 29.5546, 80.3817
YIQ	145.9590, -44.3400, 21.6440

Conversions

Conversions Part 2

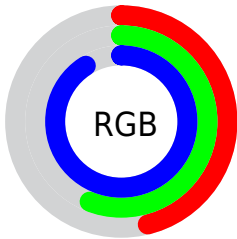
Format	Color
RYB	117, 139, 232
Decimal	7704808
CIELab	61.27, 14.35, -47.54
CIElCh	61, 49.655, 286.797
Yxy	29.5546, 0.2248, 0.2084
Android (android.graphics.Color)	4285894888 (0xFF7590E8)
YUV	145.9590, 42.4182, -25.3970
Hunter-Lab	54.3641, 9.5393, -49.6101

Details

The Yxy color **29.5546, 0.2248, 0.2084** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.1397, 0.3990, 0.4249**, and the grayscale version is **28.5671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6068, 0.2592, 0.2634**, and **12.0395, 0.1989, 0.1763** is the 20% darker color. If you saturate the color by 10%, you get **23.1783, 0.2062, 0.1793**, and if you desaturate by 10%, it is **37.1779, 0.2440, 0.2368**.

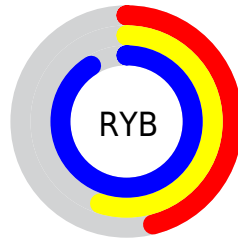
Distribution



Red (46%)

Green (56%)

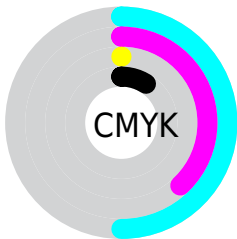
Blue (91%)



Red (46%)

Yellow (55%)

Blue (91%)

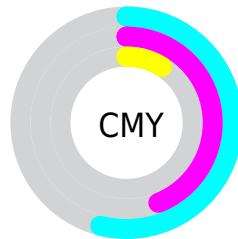


Cyan (50%)

Magenta (38%)

Yellow (0%)

Black (9%)



Cyan (54%)

Magenta (44%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5546, 0.2248, 0.2084 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 29.5546, 0.2248, 0.2084 by changing the saturation by 10% instead.

■ 29.5546, 0.2248,
0.2084

■ 29.5546, 0.2248,
0.2084

■ 299.8228, 0.2704,
0.2682

■ 19.5008, 0.2133,
0.1942

■ 58.9571, 0.2415,
0.2297

■ 12.0327, 0.1987,
0.1765

■ 79.0745, 0.2478,
0.2378

■ 6.7659, 0.1797,
0.1541

■ 103.3153, 0.2530,
0.2448

■ 3.3162, 0.1543,
0.1256

■ 132.0638, 0.2575,
0.2508

■ 1.2989, 0.1199,
0.0893

■ 165.7044, 0.2614,
0.2560

■ 0.1404, 0.0700,
0.0203

■ 204.6215, 0.2648,

■ 0.0000, 0.0000,

0.2605

0.0000

249.1995, 0.2678,
0.2646

■ 29.5546, 0.2248,
0.2084

■ 29.5546, 0.2248,
0.2084

■ 23.1783, 0.2062,
0.1793

■ 37.1779, 0.2440,
0.2368

■ 17.9763, 0.1892,
0.1508

■ 46.1088, 0.2629,
0.2636

■ 13.8730, 0.1749,
0.1246

■ 56.4077, 0.2810,
0.2881

■ 10.7811, 0.1640,
0.1021

■ 68.1301, 0.2979,
0.3102

■ 8.5828, 0.1569,
0.0844

■ 81.3285, 0.3134,
0.3298

■ 8.5015, 0.1566,
0.0837

■ 95.8142, 0.3266,
0.3470

■ 98.6073, 0.3262,
0.3512

Harmonies

Analogous

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



29.5546, 0.1857, 0.2168



29.5546, 0.2248, 0.2084



29.5546, 0.2912, 0.2248

Triad

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



29.5546, 0.2248, 0.2084



29.5546, 0.4724, 0.3714



29.5546, 0.2446, 0.4119

Complementary

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



29.5546, 0.2248, 0.2084



62.1397, 0.3990, 0.4249

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.



29.5546, 0.3170, 0.4710



29.5546, 0.2248, 0.2084



29.5546, 0.4505, 0.4287

Square

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



29.5546, 0.2248, 0.2084



29.5546, 0.4444, 0.3133



29.5546, 0.3924, 0.4711



29.5546, 0.1945, 0.3248

Rectangle

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



29.5546, 0.2248, 0.2084



29.5546, 0.3459, 0.2475



29.5546, 0.3924, 0.4711



29.5546, 0.2671, 0.4373

Sweetspot

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



29.5556, 0.2248, 0.2084



76.1716, 0.2887, 0.2984



65.8334, 0.2616, 0.3663



15.6581, 0.2851, 0.2936



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.



29.5556, 0.2248, 0.2084



28.8981, 0.2067, 0.1800



24.6505, 0.2394, 0.1802



14.4327, 0.2980, 0.3105



4.8790, 0.1573, 0.0861



0.5008, 0.1648, 0.1133

Inverse Universe

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



31.9042, 0.4185, 0.2988



33.1597, 0.4527, 0.2945



71.7442, 0.3635, 0.4593



14.4231, 0.3256, 0.3235



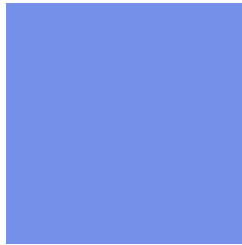
9.6903, 0.5972, 0.3064



0.7302, 0.5562, 0.2838

Previews

White Background



This preview shows how the Yxy color 29.5546, 0.2248, 0.2084 looks on a white background.

Color Contrast Check

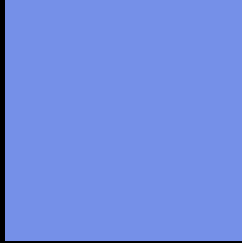
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5546, 0.2248, 0.2084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

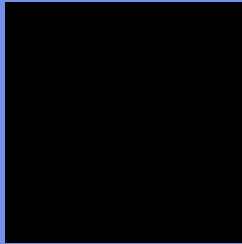
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5546, 0.2248, 0.2084

Background



This preview shows how black text looks on a background with the Yxy color 29.5546, 0.2248, 0.2084.

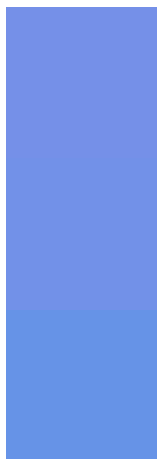


This preview shows how white text looks on a background with the Yxy color 29.5546, 0.2248, 0.2084.

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

29.5546, 0.2248, 0.2084

Protanopia

29.6544, 0.2232, 0.2093

Deuteranopia

29.4617, 0.2175, 0.2112



Tritanopia

29.6129, 0.2525, 0.3071

Trichromacy



Original Color

29.5546, 0.2248, 0.2084

Protanomaly

29.7218, 0.2238, 0.2095

Deuteranomaly

29.4531, 0.2199, 0.2106

Tritanomaly

29.3100, 0.2410, 0.2648

Monochromacy



Original Color

29.5546, 0.2248, 0.2084

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.5760, 0.2743, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5546, 0.2248, 0.2084 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(117, 144, 232)` looks like.

```
.text, #text, p{  
    color:rgb(117, 144, 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(117, 144, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 144, 232) }
```

Border

The CSS property to change the border of an element to Yxy 29.5546, 0.2248, 0.2084 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(117, 144, 232) }
```

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

```
.border{ border-color:rgb(117, 144, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 144, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 144, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 144, 232);  
box-shadow:4px 4px 4px 4px rgb(117, 144,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5546, 0.2248, 0.2084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 144, 232) }
```

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

```
.background{ background-color: rgb(117,  
144, 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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