

Converting Colors

$Y_{xy}(29.2785, 0.2208, 0.2026)$

Have a look what the booklet for
Yxy(29.2785, 0.2208, 0.2026)
contains.

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Color

Yxy(29.2785, 0.2208, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	728FEC
RGB	114, 143, 236
RGB Percent	45%, 56%, 93%
CMY	0.5527, 0.4393, 0.0745
CMYK	0.52, 0.39, 0.00, 0.07
HSL	226°, 76%, 69%
HSV	226°, 52%, 93%
XYZ	31.9087, 29.2785, 83.3267
YIQ	144.9310, -47.1370, 22.7750

Conversions

Conversions Part 2

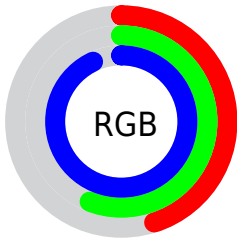
Format	Color
RYB	114, 137, 236
Decimal	7507948
CIELab	61.03, 15.49, -50.13
CIELCh	61, 52.473, 287.173
Yxy	29.2785, 0.2208, 0.2026
Android (android.graphics.Color)	4285698028 (0xFF728FEC)
YUV	144.9310, 44.8970, -27.1265
Hunter-Lab	54.1096, 10.5703, -53.4275

Details

The Yxy color **29.2785, 0.2208, 0.2026** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.7167, 0.4031, 0.4283**, and the grayscale version is **28.1205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4705, 0.2577, 0.2608**, and **11.8541, 0.1934, 0.1689** is the 20% darker color. If you saturate the color by 10%, you get **22.9167, 0.2025, 0.1736**, and if you desaturate by 10%, it is **36.9180, 0.2399, 0.2312**.

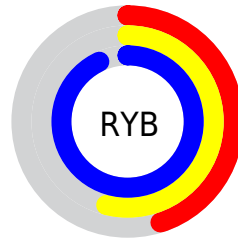
Distribution



Red (45%)

Green (56%)

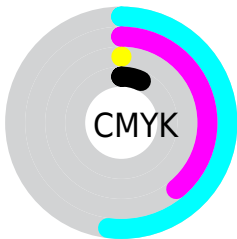
Blue (93%)



Red (45%)

Yellow (54%)

Blue (93%)

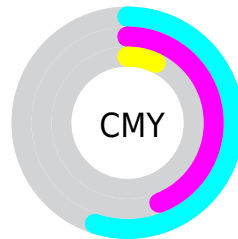


Cyan (52%)

Magenta (39%)

Yellow (0%)

Black (7%)



Cyan (55%)


Magenta (44%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2785, 0.2208, 0.2026 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 29.2785, 0.2208, 0.2026 by changing the saturation by 10% instead.

 29.2785, 0.2208,
0.2026


 29.2785, 0.2208,
0.2026


298.5267, 0.2684,
0.2649

 19.2916, 0.2089,
0.1879


 58.5193, 0.2382,
0.2247

 11.8812, 0.1939,
0.1698

 78.5419, 0.2447,
0.2332

 6.6628, 0.1743,
0.1471


 102.6787, 0.2502,
0.2404

 3.2521, 0.1485,
0.1183

131.3138, 0.2549,
0.2467

 1.2647, 0.1140,
0.0825

164.8318, 0.2590,
0.2521

 0.1137, 0.0654,
0.0153

203.6170, 0.2625,

 0.0000, 0.0000,

0.2569

0.0000

248.0539, 0.2656,
0.2611

■ 29.2785, 0.2208,
0.2026

■ 29.2785, 0.2208,
0.2026

■ 22.9167, 0.2025,
0.1736

■ 36.9180, 0.2399,
0.2312

■ 17.7563, 0.1860,
0.1455

■ 45.8993, 0.2589,
0.2583

■ 13.7166, 0.1724,
0.1199

■ 56.2859, 0.2772,
0.2833

■ 10.7046, 0.1623,
0.0983

■ 68.1359, 0.2944,
0.3059

■ 8.8814, 0.1567,
0.0841

■ 81.5042, 0.3102,
0.3259

■ 96.3152, 0.3242,
0.3435

■ 98.8362, 0.3238,
0.3473

Harmonies

Analogous

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



29.2785, 0.1798, 0.2106



29.2785, 0.2208, 0.2026



29.2785, 0.2907, 0.2201

Triad

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



29.2785, 0.2208, 0.2026



29.2785, 0.4815, 0.3730



29.2785, 0.2395, 0.4163

Complementary

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



29.2785, 0.2208, 0.2026



63.7167, 0.4031, 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.



29.2785, 0.3153, 0.4801



29.2785, 0.2208, 0.2026



29.2785, 0.4569, 0.4335

Square

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



29.2785, 0.2208, 0.2026



29.2785, 0.4529, 0.3125



29.2785, 0.3948, 0.4793



29.2785, 0.1878, 0.3228

Rectangle

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



29.2785, 0.2208, 0.2026



29.2785, 0.3486, 0.2439



29.2785, 0.3948, 0.4793



29.2785, 0.2630, 0.4437

Sweetspot

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



29.2795, 0.2208, 0.2026



76.2288, 0.2887, 0.2985



68.0066, 0.2600, 0.3682



15.6717, 0.2851, 0.2937



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.



29.2795, 0.2208, 0.2026



26.9150, 0.2015, 0.1719



24.0863, 0.2355, 0.1731



15.1288, 0.2980, 0.3105



5.0613, 0.1574, 0.0865



0.5424, 0.1645, 0.1122

Inverse Universe

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



31.8667, 0.4252, 0.2973



31.5231, 0.4635, 0.2932



74.2611, 0.3651, 0.4647



15.1126, 0.3256, 0.3234



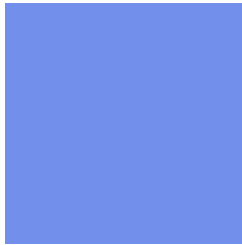
10.0038, 0.5966, 0.3060



0.8002, 0.5579, 0.2847

Previews

White Background



This preview shows how the Yxy color 29.2785, 0.2208, 0.2026 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 29.2785, 0.2208, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

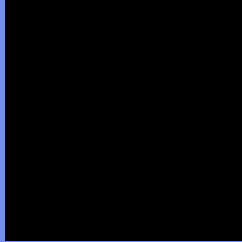
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2785, 0.2208, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 29.2785, 0.2208, 0.2026.

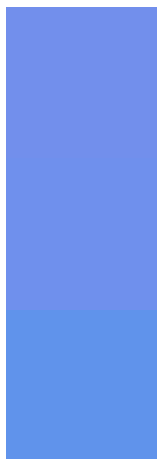


This preview shows how white text looks on a background with the Yxy color 29.2785, 0.2208, 0.2026.

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

29.2785, 0.2208, 0.2026

Protanopia

29.4404, 0.2188, 0.2025

Deuteranopia

29.3524, 0.2126, 0.2063



Tritanopia

29.2915, 0.2486, 0.3069

Trichromacy



Original Color

29.2785, 0.2208, 0.2026

Protanomaly

29.5057, 0.2194, 0.2027

Deuteranomaly

29.4395, 0.2159, 0.2059

Tritanomaly

29.0608, 0.2372, 0.2629

Monochromacy



Original Color

29.2785, 0.2208, 0.2026

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.2292, 0.2725, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2785, 0.2208, 0.2026 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, 143, 236)` looks like.

```
.text, #text, p{  
    color:rgb(114, 143, 236)  
}
```

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, 143, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 143, 236) }
```

Border

The CSS property to change the border of an element to Yxy 29.2785, 0.2208, 0.2026 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, 143, 236) }
```

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

```
.border{ border-color:rgb(114, 143, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 143, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 143, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 143, 236);  
box-shadow:4px 4px 4px 4px rgb(114, 143,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2785, 0.2208, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 143, 236) }
```

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

```
.background{ background-color: rgb(114,  
143, 236) }
```

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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