

Converting Colors

$Y_{xy}(29.3615, 0.2230, 0.2038)$

Have a look what the booklet for
Yxy(29.3615, 0.2230, 0.2038)
contains.

Yxy(29.4250, 0.2230, 0.2041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.4250, 0.2230, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	758FEB
RGB	117, 143, 235
RGB Percent	46%, 56%, 92%
CMY	0.5414, 0.4392, 0.0784
CMYK	0.50, 0.39, 0.00, 0.08
HSL	227°, 75%, 69%
HSV	227°, 50%, 92%
XYZ	32.1498, 29.4250, 82.5947
YIQ	145.7140, -45.0280, 23.1000

Conversions

Conversions Part 2

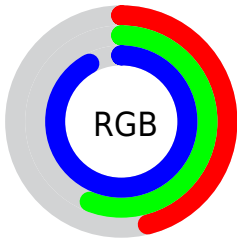
Format	Color
RYB	117, 138, 235
Decimal	7704555
CIELab	61.15, 15.81, -49.38
CIELCh	61, 51.846, 287.758
Yxy	29.4250, 0.2230, 0.2041
Android (android.graphics.Color)	4285894635 (0xFF758FEB)
YUV	145.7140, 44.0180, -25.1822
Hunter-Lab	54.2448, 10.8649, -52.3053

Details

The Yxy color **29.4250, 0.2230, 0.2041** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.5240, 0.3994, 0.4277**, and the grayscale version is **28.4488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8138, 0.2595, 0.2611**, and **11.9532, 0.1965, 0.1709** is the 20% darker color. If you saturate the color by 10%, you get **22.9409, 0.2043, 0.1746**, and if you desaturate by 10%, it is **37.2172, 0.2423, 0.2331**.

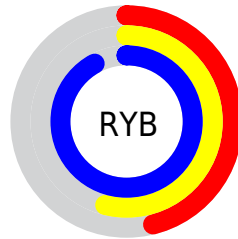
Distribution



Red (46%)

Green (56%)

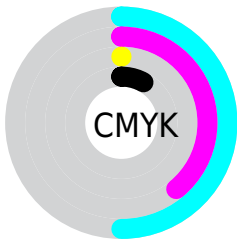
Blue (92%)



Red (46%)

Yellow (54%)

Blue (92%)

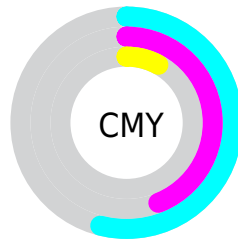


Cyan (50%)

Magenta (39%)

Yellow (0%)

Black (8%)



Cyan (54%)

Magenta (44%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4250, 0.2230, 0.2041 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 29.4250, 0.2230, 0.2041 by changing the saturation by 10% instead.

■ 29.4250, 0.2230,
0.2041

■ 29.4250, 0.2230,
0.2041

■ 299.2150, 0.2695,
0.2657

■ 19.4026, 0.2113,
0.1896

■ 58.7517, 0.2400,
0.2260

■ 11.9615, 0.1965,
0.1716

■ 78.8247, 0.2464,
0.2343

■ 6.7175, 0.1773,
0.1490

■ 103.0166, 0.2518,
0.2415

■ 3.2860, 0.1518,
0.1204

■ 131.7120, 0.2564,
0.2477

■ 1.2828, 0.1175,
0.0845

■ 165.2951, 0.2603,
0.2530

■ 0.1279, 0.0692,
0.0174

■ 204.1504, 0.2638,

■ 0.0000, 0.0000,

0.2578

0.0000

248.6622, 0.2668,
0.2619

■ 29.4250, 0.2230,
0.2041

■ 29.4250, 0.2230,
0.2041

■ 22.9409, 0.2043,
0.1746

■ 37.2172, 0.2423,
0.2331

■ 17.6871, 0.1874,
0.1459

■ 46.3830, 0.2614,
0.2605

■ 13.5819, 0.1732,
0.1197

■ 56.9869, 0.2797,
0.2857

■ 10.5311, 0.1626,
0.0977

■ 69.0884, 0.2967,
0.3084

■ 8.4451, 0.1559,
0.0812

■ 82.7435, 0.3124,
0.3285

97.4407, 0.3246,
0.3463

98.7791, 0.3244,
0.3483

Harmonies

Analogous

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



29.4250, 0.1818, 0.2116



29.4250, 0.2230, 0.2041



29.4250, 0.2926, 0.2219

Triad

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



29.4250, 0.2230, 0.2041



29.4250, 0.4794, 0.3740



29.4250, 0.2393, 0.4133

Complementary

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



29.4250, 0.2230, 0.2041



64.5240, 0.3994, 0.4277

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.



29.4250, 0.3140, 0.4772



29.4250, 0.2230, 0.2041



29.4250, 0.4544, 0.4336

Square

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



29.4250, 0.2230, 0.2041



29.4250, 0.4521, 0.3140



29.4250, 0.3926, 0.4780



29.4250, 0.1886, 0.3213

Rectangle

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



29.4250, 0.2230, 0.2041



29.4250, 0.3500, 0.2457



29.4250, 0.3926, 0.4780



29.4250, 0.2623, 0.4405

Sweetspot

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



29.4260, 0.2230, 0.2041



75.8893, 0.2887, 0.2978



67.7324, 0.2601, 0.3643



15.5908, 0.2851, 0.2929



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.



29.4260, 0.2230, 0.2041



27.5911, 0.2043, 0.1745



25.0450, 0.2397, 0.1784



15.0882, 0.2980, 0.3101



4.8540, 0.1565, 0.0835



0.5208, 0.1635, 0.1085

Inverse Universe

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



32.3583, 0.4229, 0.3002



32.5341, 0.4593, 0.2963



73.4807, 0.3626, 0.4618



15.1085, 0.3258, 0.3238



9.9828, 0.6014, 0.3087



0.7980, 0.5632, 0.2876

Previews

White Background



This preview shows how the Yxy color 29.4250, 0.2230, 0.2041 looks on a white background.

Color Contrast Check

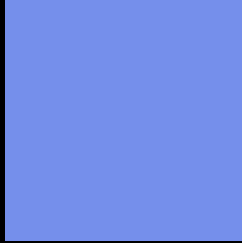
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4250, 0.2230, 0.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

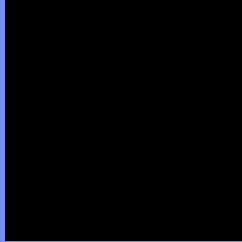
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4250, 0.2230, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 29.4250, 0.2230, 0.2041.



This preview shows how white text looks on a background with the Yxy color 29.4250, 0.2230, 0.2041.

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

29.4250, 0.2230, 0.2041

Protanopia

29.4474, 0.2199, 0.2036

Deuteranopia

29.4046, 0.2141, 0.2076



Tritanopia

29.4653, 0.2518, 0.3087

Trichromacy



Original Color

29.4250, 0.2230, 0.2041

Protanomaly

29.5801, 0.2210, 0.2040

Deuteranomaly

29.5015, 0.2174, 0.2072

Tritanomaly

29.2498, 0.2404, 0.2647

Monochromacy



Original Color

29.4250, 0.2230, 0.2041

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.6160, 0.2735, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4250, 0.2230, 0.2041 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, 143, 235)` looks like.

```
.text, #text, p{  
    color:rgb(117, 143, 235)  
}
```

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, 143, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 143, 235) }
```

Border

The CSS property to change the border of an element to Yxy 29.4250, 0.2230, 0.2041 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, 143, 235) }
```

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

```
.border{ border-color:rgb(117, 143, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 143, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 143, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 143, 235); box-shadow:4px 4px 4px 4px rgb(117, 143, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4250, 0.2230, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 143, 235) }
```

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

```
.background{ background-color: rgb(117,  
143, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor