

Converting Colors

$Y_{xy}(41.1280, 0.2288, 0.2479)$

Have a look what the booklet for
Yxy(41.1280, 0.2288, 0.2479)
contains.

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Color

Yxy(41.1280, 0.2288, 0.2479)

Conversions

Conversions Part 1

Format	Color
Hex	71B1EE
RGB	113, 177, 238
RGB Percent	44%, 69%, 93%
CMY	0.5570, 0.3058, 0.0667
CMYK	0.53, 0.26, 0.00, 0.07
HSL	209°, 79%, 69%
HSV	209°, 53%, 93%
XYZ	37.9592, 41.1280, 86.8184
YIQ	164.8180, -57.7250, 5.4030

Conversions

Conversions Part 2

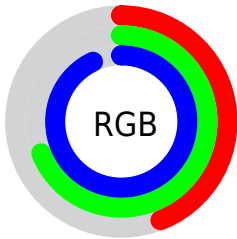
Format	Color
R _Y B	113, 155, 238
Decimal	7451118
CIE Lab	70.27, -3.62, -36.73
CIE LCh	70, 36.903, 264.365
Yxy	41.1280, 0.2288, 0.2479
Android (android.graphics.Color)	4285641198 (0xFF71B1EE)
YUV	164.8180, 36.0787, -45.4444
Hunter-Lab	64.1311, -6.5753, -35.3729

Details

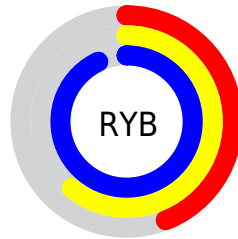
The Yxy color **41.1280, 0.2288, 0.2479** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.6154, 0.4257, 0.3958**, and the grayscale version is **37.3765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5912, 0.2624, 0.3032**, and **18.7484, 0.2069, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **35.3608, 0.2143, 0.2290**, and if you desaturate by 10%, it is **47.7020, 0.2444, 0.2660**.

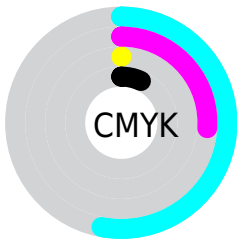
Distribution



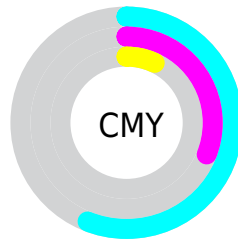
- Red (44%)
- Green (69%)
- Blue (93%)



- Red (44%)
- Yellow (61%)
- Blue (93%)



- Cyan (53%)
- Magenta (26%)
- Yellow (0%)
- Black (7%)



- Cyan (56%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1280, 0.2288, 0.2479 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 41.1280, 0.2288, 0.2479 by changing the saturation by 10% instead.

■ 41.1280, 0.2288,
0.2479

■ 41.1280, 0.2288,
0.2479

■ 350.8553, 0.2700,
0.2882

■ 28.4191, 0.2190,
0.2381

■ 76.8782, 0.2435,
0.2624

■ 18.6418, 0.2066,
0.2259

■ 100.6882, 0.2491,
0.2678

■ 11.4118, 0.1908,
0.2100

■ 128.9675, 0.2539,
0.2725

■ 6.3445, 0.1700,
0.1890

■ 162.1003, 0.2580,
0.2765

■ 3.0557, 0.1420,
0.1602

■ 200.4711, 0.2616,
0.2800

■ 1.1609, 0.1035,
0.1201

■ 244.4643, 0.2647,

■ 0.0294, 0.0000,

0.2831

0.0079

294.4642, 0.2675,
0.2858

0.0000, 0.0000,
0.0000

41.1280, 0.2288,
0.2479

41.1280, 0.2288,
0.2479

35.3608, 0.2143,
0.2290

47.7020, 0.2444,
0.2660

30.3531, 0.2015,
0.2097

55.1170, 0.2606,
0.2831

26.0583, 0.1908,
0.1907

63.4106, 0.2770,
0.2988


22.4197, 0.1824,
0.1723

72.6159, 0.2932,
0.3131

20.0717, 0.1776,
0.1593

82.7646, 0.3088,
0.3260

 93.7427, 0.3233,
0.3374

 98.9525, 0.3226,
0.3454

Harmonies

Analogous

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



41.1280, 0.2158, 0.2714



41.1280, 0.2288, 0.2479



41.1280, 0.2628, 0.2452

Triad

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



41.1280, 0.2288, 0.2479



41.1280, 0.4081, 0.3311



41.1280, 0.3052, 0.4132

Complementary

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



41.1280, 0.2288, 0.2479



49.6154, 0.4257, 0.3958

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.



41.1280, 0.3578, 0.4268



41.1280, 0.2288, 0.2479



41.1280, 0.4199, 0.3733

Square

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



41.1280, 0.2288, 0.2479



41.1280, 0.3675, 0.2914



41.1280, 0.4005, 0.4092



41.1280, 0.2570, 0.3694

Rectangle

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



41.1280, 0.2288, 0.2479



41.1280, 0.2951, 0.2538



41.1280, 0.4005, 0.4092



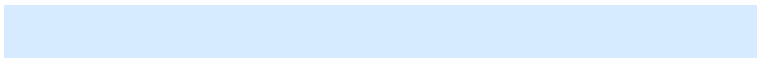
41.1280, 0.3229, 0.4216

Sweetspot

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



41.1295, 0.2288, 0.2479



81.0209, 0.2875, 0.3082



67.6838, 0.2757, 0.4151



16.8635, 0.2842, 0.3053



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.



41.1295, 0.2288, 0.2479



40.9240, 0.2134, 0.2277



21.9522, 0.2118, 0.1639



16.5678, 0.2980, 0.3172



11.4593, 0.1783, 0.1620



1.1525, 0.1848, 0.1854

Inverse Universe

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



33.1517, 0.3846, 0.2597



32.4881, 0.4073, 0.2489



79.3038, 0.3901, 0.4536



15.8940, 0.3213, 0.3170



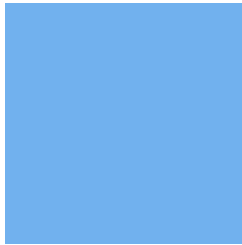
10.9502, 0.4906, 0.2476



0.9311, 0.4622, 0.2320

Previews

White Background



This preview shows how the Yxy color 41.1280, 0.2288, 0.2479 looks on a white background.

Color Contrast Check

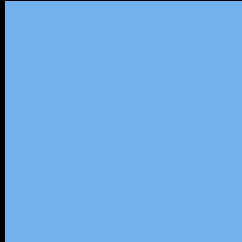
Large Text (above 18pt) WCAG AA × Fail

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 41.1280, 0.2288, 0.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

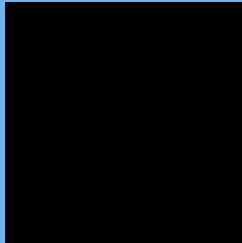
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

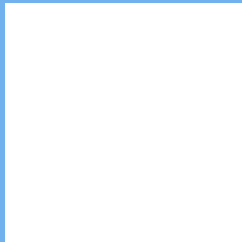
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1280, 0.2288, 0.2479

Background



This preview shows how black text looks on a background with the Yxy color 41.1280, 0.2288, 0.2479.



This preview shows how white text looks on a background with the Yxy color 41.1280, 0.2288, 0.2479.

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

41.1280, 0.2288, 0.2479

Protanopia

40.9744, 0.2540, 0.2485

Deuteranopia

40.8702, 0.2454, 0.2391



Tritanopia

41.0571, 0.2434, 0.3066

Trichromacy



Original Color

41.1280, 0.2288, 0.2479

Protanomaly

40.8488, 0.2436, 0.2482

Deuteranomaly

40.8879, 0.2391, 0.2425

Tritanomaly

40.7949, 0.2377, 0.2832

Monochromacy



Original Color

41.1280, 0.2288, 0.2479

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.2927, 0.2751, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1280, 0.2288, 0.2479 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(113, 177, 238)` looks like.

```
.text, #text, p{  
    color:rgb(113, 177, 238)  
}
```

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(113, 177, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 177, 238) }
```

Border

The CSS property to change the border of an element to Yxy 41.1280, 0.2288, 0.2479 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(113, 177, 238) }
```

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

```
.border{ border-color:rgb(113, 177, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 177, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 177, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 177, 238);  
box-shadow:4px 4px 4px 4px rgb(113, 177,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1280, 0.2288, 0.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 177, 238) }
```

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

```
.background{ background-color: rgb(113,  
177, 238) }
```

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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