

Converting Colors

$Yxy(56.6813, 0.2721, 0.2832)$

Have a look what the booklet for
Yxy(56.6813, 0.2721, 0.2832)
contains.

Yxy(56.6036, 0.2722, 0.2830)	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(56.6036, 0.2722, 0.2830)

Conversions

Conversions Part 1

Format	Color
Hex	B3C7EE
RGB	179, 199, 238
RGB Percent	70%, 78%, 93%
CMY	0.2982, 0.2196, 0.0666
CMYK	0.25, 0.16, 0.00, 0.07
HSL	220°, 64%, 82%
HSV	220°, 25%, 93%
XYZ	54.4435, 56.6036, 88.9657
YIQ	197.4660, -24.4390, 7.8890

Conversions

Conversions Part 2

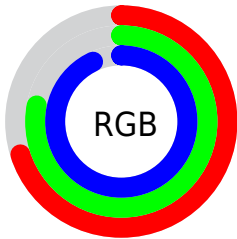
Format	Color
R _Y B	179, 194, 238
Decimal	11782126
CIE Lab	79.96, 1.64, -21.53
CIE LCh	80, 21.596, 274.361
Yxy	56.6036, 0.2722, 0.2830
Android (android.graphics.Color)	4289972206 (0xFFB3C7EE)
YUV	197.4660, 19.9833, -16.1947
Hunter-Lab	75.2354, -2.4918, -17.4455

Details

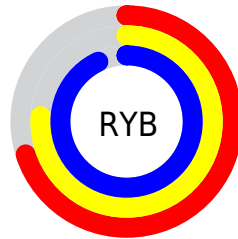
The Yxy color **56.6036, 0.2722, 0.2830** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.5705, 0.3550, 0.3711**, and the grayscale version is **56.0178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **27.9882, 0.2618, 0.2711** is the 20% darker color. If you saturate the color by 10%, you get **47.1441, 0.2544, 0.2609**, and if you desaturate by 10%, it is **67.3050, 0.2893, 0.3031**.

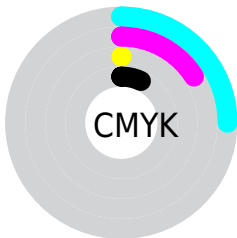
Distribution



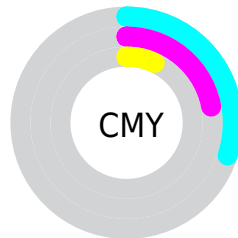
- Red (70%)
- Green (78%)
- Blue (93%)



- Red (70%)
- Yellow (76%)
- Blue (93%)



- Cyan (25%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (30%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6036, 0.2722, 0.2830 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 56.6036, 0.2722, 0.2830 by changing the saturation by 10% instead.

■ 56.6036, 0.2722,
0.2830

■ 56.6036, 0.2722,
0.2830

411.9623, 0.2916,
0.3049

■ 40.6871, 0.2676,
0.2779

■ 99.8866, 0.2790,
0.2907

■ 28.0746, 0.2619,
0.2714

128.0218, 0.2817,
0.2937

■ 18.3819, 0.2546,
0.2632

160.9987, 0.2839,
0.2962

■ 11.2245, 0.2448,
0.2523

199.2017, 0.2859,
0.2984

■ 6.2181, 0.2312,
0.2373

243.0151, 0.2876,
0.3004

■ 2.9781, 0.2112,
0.2153

292.8234, 0.2891,

■ 1.1203, 0.1795,

0.3021

0.1808

349.0110, 0.2904,
0.3036

0.0000, 0.0216,
0.0000

0.0000, 0.0000,
0.0000

56.6036, 0.2722,
0.2830

56.6036, 0.2722,
0.2830

47.1441, 0.2544,
0.2609

67.3050, 0.2893,
0.3031

38.8718, 0.2364,
0.2370

79.2863, 0.3054,
0.3211

31.7380, 0.2187,
0.2118

92.5925, 0.3203,
0.3370

25.6874, 0.2021,
0.1862

98.9547, 0.3226,
0.3454

■ 20.6594, 0.1875,
0.1610

■ 16.5863, 0.1754,
0.1373

■ 13.3891, 0.1666,
0.1164

■ 12.0264, 0.1630,
0.1068

Harmonies

Analogous

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



56.6036, 0.2604, 0.2934



56.6036, 0.2722, 0.2830



56.6036, 0.2948, 0.2843

Triad

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



56.6036, 0.2722, 0.2830



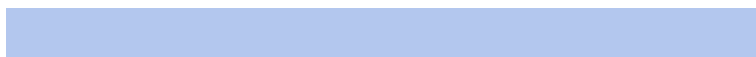
56.6036, 0.3664, 0.3396



56.6036, 0.3005, 0.3654

Complementary

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



56.6036, 0.2722, 0.2830



71.5705, 0.3550, 0.3711

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.



56.6036, 0.3288, 0.3785



56.6036, 0.2722, 0.2830



56.6036, 0.3677, 0.3618

Square

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



56.6036, 0.2722, 0.2830



56.6036, 0.3499, 0.3161



56.6036, 0.3536, 0.3765



56.6036, 0.2762, 0.3412

Rectangle

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



56.6036, 0.2722, 0.2830



56.6036, 0.3136, 0.2913



56.6036, 0.3536, 0.3765



56.6036, 0.3099, 0.3713

Sweetspot

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



56.6059, 0.2722, 0.2830



89.4758, 0.3019, 0.3173



75.7735, 0.2875, 0.3528



18.9649, 0.3009, 0.3162



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.



56.6059, 0.2722, 0.2830



60.1494, 0.2628, 0.2715



49.0710, 0.2765, 0.2597



16.1055, 0.2980, 0.3130



6.9226, 0.1638, 0.1096



0.7535, 0.1710, 0.1357

Inverse Universe

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



54.5330, 0.3475, 0.3072



57.6819, 0.3574, 0.3022



81.1045, 0.3439, 0.3923



15.8474, 0.3240, 0.3210



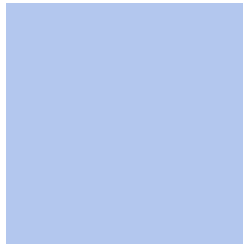
10.4922, 0.5617, 0.2868



0.8908, 0.5249, 0.2665

Previews

White Background



This preview shows how the Yxy color 56.6036, 0.2722, 0.2830 looks on a white background.

Color Contrast Check

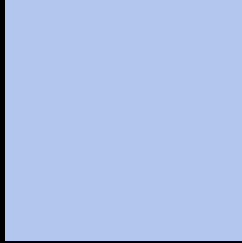
Large Text (above 18pt) WCAG AA × Fail

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 56.6036, 0.2722, 0.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

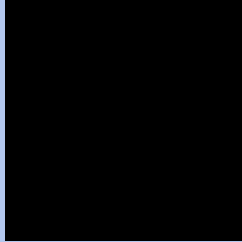
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

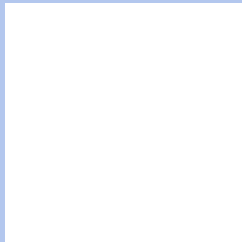
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6036, 0.2722, 0.2830

Background



This preview shows how black text looks on a background with the Yxy color 56.6036, 0.2722, 0.2830.



This preview shows how white text looks on a background with the Yxy color 56.6036, 0.2722, 0.2830.

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

56.6036, 0.2722, 0.2830

Protanopia

56.4831, 0.2807, 0.2826

Deuteranopia

56.6859, 0.2836, 0.2777



Tritanopia

56.4695, 0.2815, 0.3081

Trichromacy



Original Color

56.6036, 0.2722, 0.2830

Protanomaly

56.4860, 0.2774, 0.2823

Deuteranomaly

56.6590, 0.2788, 0.2793

Tritanomaly

56.4944, 0.2777, 0.2988

Monochromacy



Original Color

56.6036, 0.2722, 0.2830

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.0888, 0.2967, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6036, 0.2722, 0.2830 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(179, 199, 238)` looks like.

```
.text, #text, p{  
    color:rgb(179, 199, 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(179, 199, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 199, 238) }
```

Border

The CSS property to change the border of an element to Yxy 56.6036, 0.2722, 0.2830 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(179, 199, 238) }
```

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

```
.border{ border-color:rgb(179, 199, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 199, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 199, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 199, 238);  
box-shadow:4px 4px 4px 4px rgb(179, 199,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6036, 0.2722, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 199, 238) }
```

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

```
.background{ background-color: rgb(179,  
199, 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](#).

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