

Converting Colors

$Yxy(45.5247, 0.2091, 0.1870)$

Have a look what the booklet for
Yxy(45.5247, 0.2091, 0.1870)
contains.

Yxy(42.0813, 0.2279, 0.2279)	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(42.0813, 0.2279, 0.2279)

Conversions

Conversions Part 1

Format	Color
Hex	80AEFF
RGB	128, 174, 255
RGB Percent	50%, 68%, 100%
CMY	0.4981, 0.3176, 0.0001
CMYK	0.50, 0.32, 0.00, 0.00
HSL	218°, 100%, 75%
HSV	218°, 50%, 100%
XYZ	42.0813, 42.0813, 100.4855
YIQ	169.4800, -53.4170, 15.4390

Conversions

Conversions Part 2

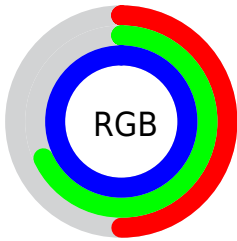
Format	Color
RYB	128, 162, 255
Decimal	8433407
CIELab	70.93, 6.40, -44.85
CIELCh	71, 45.300, 278.120
Yxy	42.0813, 0.2279, 0.2279
Android (android.graphics.Color)	4286623487 (0xFF80AEFF)
YUV	169.4800, 42.1614, -36.3780
Hunter-Lab	64.8701, 2.2705, -46.4327

Details

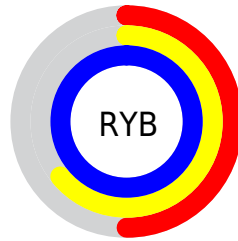
The Yxy color **42.0813, 0.2279, 0.2279** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.3825, 0.4083, 0.4111**, and the grayscale version is **39.7320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6977, 0.2703, 0.3004**, and **19.2252, 0.2059, 0.2027** is the 20% darker color. If you saturate the color by 10%, you get **34.4425, 0.2109, 0.2031**, and if you desaturate by 10%, it is **50.9798, 0.2456, 0.2517**.

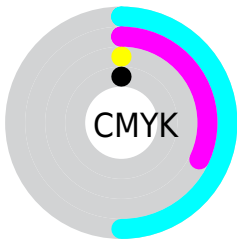
Distribution



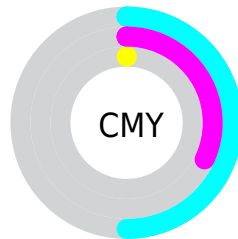
- Red (50%)
- Green (68%)
- Blue (100%)



- Red (50%)
- Yellow (64%)
- Blue (100%)



- Cyan (50%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0813, 0.2279, 0.2279 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 42.0813, 0.2279, 0.2279 by changing the saturation by 10% instead.


 42.0813, 0.2279,
0.2279


 42.0813, 0.2279,
0.2279


354.8198, 0.2694,
0.2764

 29.1650, 0.2181,
0.2167


 78.3227, 0.2426,
0.2449

 19.2056, 0.2059,
0.2028


 102.4165, 0.2483,
0.2515

 11.8190, 0.1904,
0.1854


 131.0049, 0.2531,
0.2571

 6.6205, 0.1702,
0.1631

164.4723, 0.2572,
0.2620

 3.2259, 0.1434,
0.1340

203.2031, 0.2609,
0.2663

 1.2508, 0.1075,
0.0962


247.5817, 0.2641,


 0.1026, 0.0432,


0.2701


0.0175


297.9925, 0.2669,
0.2734


 0.0000, 0.0000,
0.0000


 42.0813, 0.2279,
0.2279


 42.0813, 0.2279,
0.2279

 34.4425, 0.2109,
0.2031


 50.9798, 0.2456,
0.2517

 27.9939, 0.1955,
0.1782


 61.1931, 0.2634,
0.2740

 22.6650, 0.1823,
0.1542

 72.7782, 0.2808,
0.2945

 18.3736, 0.1720,
0.1320

 85.7872, 0.2974,
0.3129

 15.0043, 0.1647,
0.1126

99.9980, 0.3127,
0.3290

■ 14.9458, 0.1645,
0.1122

Harmonies

Analogous

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



42.0813, 0.2012, 0.2431



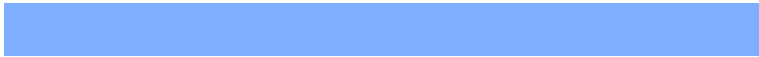
42.0813, 0.2279, 0.2279



42.0813, 0.2779, 0.2356

Triad

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



42.0813, 0.2279, 0.2279



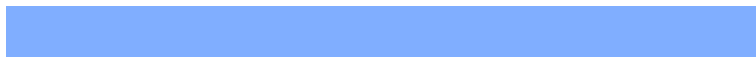
42.0813, 0.4404, 0.3528



42.0813, 0.2742, 0.4122

Complementary

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



42.0813, 0.2279, 0.2279



68.3825, 0.4083, 0.4111

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.



42.0813, 0.3369, 0.4474



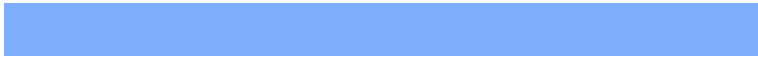
42.0813, 0.2279, 0.2279



42.0813, 0.4356, 0.4015

Square

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



42.0813, 0.2279, 0.2279



42.0813, 0.4056, 0.3040



42.0813, 0.3963, 0.4391



42.0813, 0.2249, 0.3469

Rectangle

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



42.0813, 0.2279, 0.2279



42.0813, 0.3208, 0.2517



42.0813, 0.3963, 0.4391



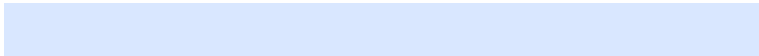
42.0813, 0.2944, 0.4286

Sweetspot

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



42.0828, 0.2279, 0.2279



78.8701, 0.2889, 0.3036



80.6622, 0.2680, 0.3854



16.3025, 0.2854, 0.2996



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.



42.0828, 0.2279, 0.2279



34.3149, 0.2106, 0.2026



28.6633, 0.2279, 0.1745



18.4556, 0.2979, 0.3134



8.0690, 0.1654, 0.1152



0.9844, 0.1716, 0.1377

Inverse Universe

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



39.7441, 0.4011, 0.2817



33.2128, 0.4304, 0.2743



91.2420, 0.3741, 0.4557



18.0959, 0.3237, 0.3204



11.5425, 0.5535, 0.2823



1.1439, 0.5222, 0.2650

Previews

White Background



This preview shows how the Yxy color 42.0813, 0.2279, 0.2279 looks on a white background.

Color Contrast Check

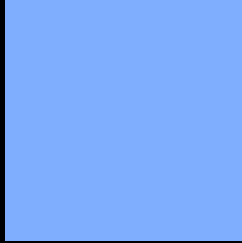
Large Text (above 18pt) WCAG AA × Fail

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 42.0813, 0.2279, 0.2279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

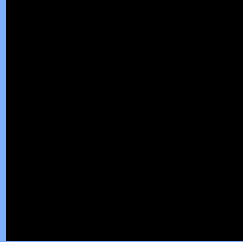
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

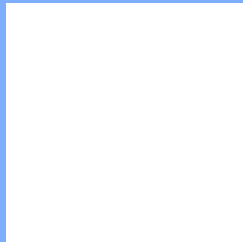
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0813, 0.2279, 0.2279

Background



This preview shows how black text looks on a background with the Yxy color 42.0813, 0.2279, 0.2279.



This preview shows how white text looks on a background with the Yxy color 42.0813, 0.2279, 0.2279.

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

42.0813, 0.2279, 0.2279

Protanopia

41.8887, 0.2386, 0.2282

Deuteranopia

42.0434, 0.2323, 0.2265



Tritanopia

42.1831, 0.2490, 0.3071

Trichromacy



Original Color

42.0813, 0.2279, 0.2279

Protanomaly

41.7066, 0.2342, 0.2275

Deuteranomaly

42.1755, 0.2309, 0.2274

Tritanomaly

41.9970, 0.2409, 0.2751

Monochromacy



Original Color

42.0813, 0.2279, 0.2279

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.1660, 0.2759, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0813, 0.2279, 0.2279 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(128, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 174, 255)  
}
```

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(128, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.0813, 0.2279, 0.2279 is called "border". The border property can be set on classes, ids or directly on the HTML element.

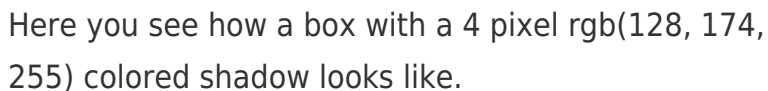
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 174, 255) }
```

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

```
.border{ border-color:rgb(128, 174, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 174, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 174, 255); box-shadow:4px 4px 4px 4px rgb(128, 174, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0813, 0.2279, 0.2279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 174, 255) }
```

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

```
.background{ background-color: rgb(128,  
174, 255) }
```

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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