

Converting Colors

$Yxy(45.9645, 0.2054, 0.1838)$

Have a look what the booklet for
Yxy(45.9645, 0.2054, 0.1838)
contains.

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Color

Yxy(42.0909, 0.2256, 0.2285)

Conversions

Conversions Part 1

Format	Color
Hex	7BAFFF
RGB	123, 175, 255
RGB Percent	48%, 69%, 100%
CMY	0.5174, 0.3138, 0.0000
CMYK	0.52, 0.31, 0.00, 0.00
HSL	216°, 100%, 74%
HSV	216°, 52%, 100%
XYZ	41.5567, 42.0909, 100.5576
YIQ	168.5720, -56.6720, 13.8560

Conversions

Conversions Part 2

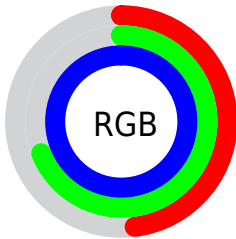
Format	Color
RYB	123, 160, 255
Decimal	8105983
CIELab	70.93, 4.78, -44.88
CIELCh	71, 45.135, 276.079
Yxy	42.0909, 0.2256, 0.2285
Android (android.graphics.Color)	4286296063 (0xFF7BAFFF)
YUV	168.5720, 42.6090, -39.9666
Hunter-Lab	64.8775, 0.8010, -46.4830

Details

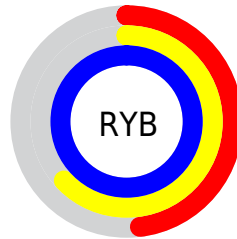
The Yxy color **42.0909, 0.2256, 0.2285** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.4381, 0.4149, 0.4102**, and the grayscale version is **39.2668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7587, 0.2681, 0.3013**, and **19.2352, 0.2030, 0.2034** is the 20% darker color. If you saturate the color by 10%, you get **34.7695, 0.2093, 0.2048**, and if you desaturate by 10%, it is **50.5918, 0.2428, 0.2514**.

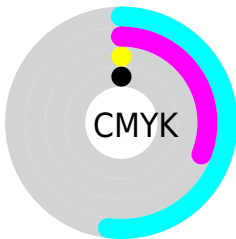
Distribution



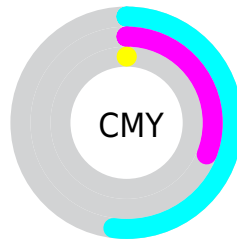
- Red (48%)
- Green (69%)
- Blue (100%)



- Red (48%)
- Yellow (63%)
- Blue (100%)



- Cyan (52%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0909, 0.2256, 0.2285 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 42.0909, 0.2256, 0.2285 by changing the saturation by 10% instead.


 42.0909, 0.2256,
0.2285

 42.0909, 0.2256,
0.2285


354.8596, 0.2681,
0.2769


 29.1725, 0.2156,
0.2173


 78.3372, 0.2407,
0.2455

 19.2113, 0.2031,
0.2034

 102.4338, 0.2464,
0.2520

 11.8231, 0.1873,
0.1860

 131.0253, 0.2514,
0.2577

 6.6233, 0.1668,
0.1636

164.4961, 0.2556,
0.2625

 3.2277, 0.1397,
0.1345

203.2305, 0.2594,
0.2668

 1.2517, 0.1036,
0.0966

247.6130, 0.2626,

 0.1033, 0.0367,

0.2705

0.0177

298.0279, 0.2655,
0.2739

0.0000, 0.0000,
0.0000

42.0909, 0.2256,
0.2285

42.0909, 0.2256,
0.2285

34.7695, 0.2093,
0.2048

50.5918, 0.2428,
0.2514

28.5651, 0.1946,
0.1810

60.3284, 0.2604,
0.2728

23.4085, 0.1823,
0.1580

71.3534, 0.2776,
0.2926

19.2200, 0.1728,
0.1368

83.7160, 0.2943,
0.3105

16.4036, 0.1669,
0.1209

97.4629, 0.3101,
0.3264

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



42.0909, 0.2007, 0.2453



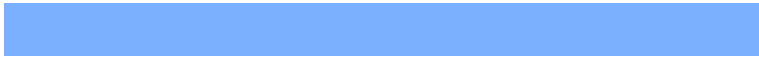
42.0909, 0.2256, 0.2285



42.0909, 0.2740, 0.2347

Triad

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



42.0909, 0.2256, 0.2285



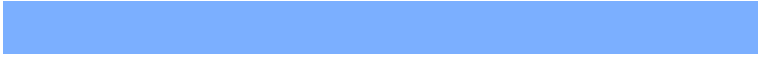
42.0909, 0.4388, 0.3494



42.0909, 0.2783, 0.4155

Complementary

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



42.0909, 0.2256, 0.2285



65.4381, 0.4149, 0.4102

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.



42.0909, 0.3412, 0.4477



42.0909, 0.2256, 0.2285



42.0909, 0.4367, 0.3982

Square

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



42.0909, 0.2256, 0.2285



42.0909, 0.4017, 0.3010



42.0909, 0.3996, 0.4369



42.0909, 0.2279, 0.3515

Rectangle

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



42.0909, 0.2256, 0.2285



42.0909, 0.3162, 0.2500



42.0909, 0.3996, 0.4369



42.0909, 0.2987, 0.4310

Sweetspot

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



42.0911, 0.2256, 0.2285



78.2834, 0.2873, 0.3031



80.0105, 0.2688, 0.3937



16.2130, 0.2839, 0.2994



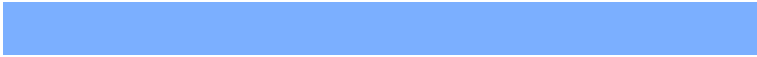
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.0911, 0.2256, 0.2285



34.5946, 0.2089, 0.2042



26.6570, 0.2210, 0.1667



18.5505, 0.2979, 0.3142



8.8415, 0.1678, 0.1240



1.0664, 0.1740, 0.1464

Inverse Universe

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



38.5360, 0.4015, 0.2760



32.2984, 0.4299, 0.2682



91.7946, 0.3791, 0.4586



18.1055, 0.3232, 0.3197



11.6205, 0.5410, 0.2754



1.1522, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 42.0909, 0.2256, 0.2285 looks on a white background.

Color Contrast Check

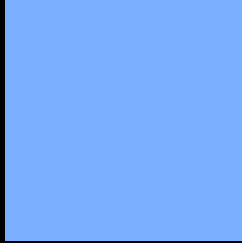
Large Text (above 18pt) WCAG AA × Fail

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 42.0909, 0.2256, 0.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

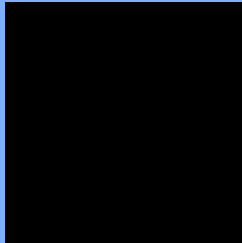
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

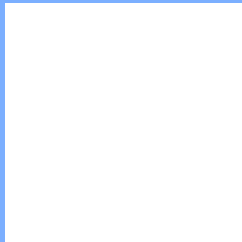
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0909, 0.2256, 0.2285

Background



This preview shows how black text looks on a background with the Yxy color 42.0909, 0.2256, 0.2285.



This preview shows how white text looks on a background with the Yxy color 42.0909, 0.2256, 0.2285.

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

42.0909, 0.2256, 0.2285

Protanopia

41.8255, 0.2391, 0.2292

Deuteranopia

42.0434, 0.2323, 0.2265



Tritanopia

42.3381, 0.2460, 0.3070

Trichromacy



Original Color

42.0909, 0.2256, 0.2285

Protanomaly

41.9366, 0.2343, 0.2296

Deuteranomaly

42.0127, 0.2298, 0.2271

Tritanomaly

42.1211, 0.2380, 0.2749

Monochromacy



Original Color

42.0909, 0.2256, 0.2285

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.9714, 0.2744, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0909, 0.2256, 0.2285 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(123, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 175, 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(123, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.0909, 0.2256, 0.2285 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(123, 175, 255) }
```

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

```
.border{ border-color:rgb(123, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0909, 0.2256, 0.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 175, 255) }
```

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

```
.background{ background-color: rgb(123,  
175, 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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