

Converting Colors

$Y_{xy}(42.2519, 0.2353, 0.2668)$

Have a look what the booklet for
Yxy(42.2519, 0.2353, 0.2668)
contains.

| | |
|--|----|
| Yxy(42.1045, 0.2352, 0.2662) | 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(42.1045, 0.2352, 0.2662)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 71B5E3 |
| RGB | 113, 181, 227 |
| RGB Percent | 44%, 71%, 89% |
| CMY | 0.5569, 0.2902, 0.1097 |
| CMYK | 0.50, 0.20, 0.00, 0.11 |
| HSL | 204°, 67%, 67% |
| HSV | 204°, 50%, 89% |
| XYZ | 37.2013, 42.1045, 78.8629 |
| YIQ | 165.9120, -55.2940, -0.1100 |

Conversions

Conversions Part 2

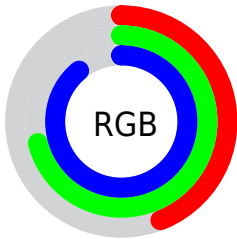
| Format | Color |
|-------------------------------------|---|
| RYB | 113, 156, 227 |
| Decimal | 7452131 |
| CIELab | 70.94, -9.01, -29.71 |
| CIELCh | 71, 31.046, 253.128 |
| Yxy | 42.1045, 0.2352, 0.2662 |
| Android (android.graphics.Color) | 4285642211 (0xFF71B5E3) |
| YUV | 165.9120, 30.1164, -46.4038 |
| Hunter-Lab | 64.8880, -11.2172, -26.6377 |

Details

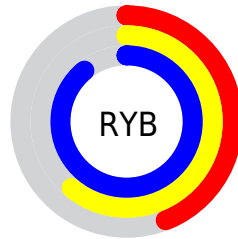
The Yxy color **42.1045, 0.2352, 0.2662** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.3329, 0.4252, 0.3824**, and the grayscale version is **37.9607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3344, 0.2626, 0.3088**, and **19.1355, 0.2147, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **37.1789, 0.2216, 0.2509**, and if you desaturate by 10%, it is **47.6550, 0.2499, 0.2808**.

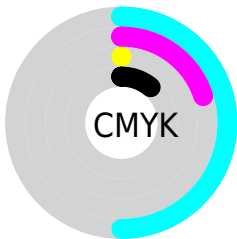
Distribution



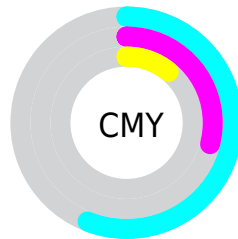
- Red (44%)
- Green (71%)
- Blue (89%)



- Red (44%)
- Yellow (61%)
- Blue (89%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (56%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1045, 0.2352, 0.2662 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 42.1045, 0.2352, 0.2662 by changing the saturation by 10% instead.

■ 42.1045, 0.2352,
0.2662

■ 42.1045, 0.2352,
0.2662

■ 354.9159, 0.2733,
0.2980

■ 29.1831, 0.2260,
0.2583

■ 78.3578, 0.2488,
0.2778

■ 19.2194, 0.2145,
0.2482

■ 102.4584, 0.2540,
0.2821

■ 11.8289, 0.1996,
0.2350

■ 131.0543, 0.2584,
0.2858

■ 6.6273, 0.1798,
0.2169

■ 164.5298, 0.2622,
0.2889

■ 3.2301, 0.1525,
0.1911

■ 203.2694, 0.2655,
0.2916

■ 1.2530, 0.1140,
0.1528

■ 247.6573, 0.2684,

■ 0.1044, 0.0000,

0.2940

0.0361

298.0780, 0.2710,
0.2961

0.0000, 0.0000,
0.0000

42.1045, 0.2352,
0.2662

42.1045, 0.2352,
0.2662

37.1789, 0.2216,
0.2509

47.6550, 0.2499,
0.2808

32.8402, 0.2096,
0.2352

53.8558, 0.2654,
0.2944

29.0523, 0.1996,
0.2195


60.7365, 0.2811,
0.3070


25.7715, 0.1917,
0.2039

68.3229, 0.2969,
0.3184

22.9856, 0.1859,
0.1892

76.6394, 0.3124,
0.3288

 85.7090, 0.3273,
0.3380

 92.2033, 0.3303,
0.3468

 97.8908, 0.3292,
0.3555

 98.3279, 0.3291,
0.3562

Harmonies

Analogous

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



42.1045, 0.2313, 0.2934



42.1045, 0.2352, 0.2662



42.1045, 0.2581, 0.2568

Triad

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



42.1045, 0.2352, 0.2662



42.1045, 0.3818, 0.3183



42.1045, 0.3239, 0.4059

Complementary

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



42.1045, 0.2352, 0.2662



42.3329, 0.4252, 0.3824

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.



42.1045, 0.3662, 0.4079



42.1045, 0.2352, 0.2662



42.1045, 0.4016, 0.3543

Square

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



42.1045, 0.2352, 0.2662



42.1045, 0.3422, 0.2864



42.1045, 0.3953, 0.3873



42.1045, 0.2804, 0.3779

Rectangle

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



42.1045, 0.2352, 0.2662



42.1045, 0.2823, 0.2601



42.1045, 0.3953, 0.3873



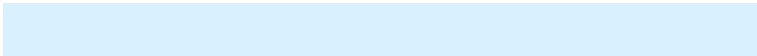
42.1045, 0.3387, 0.4095

Sweetspot

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



42.1061, 0.2352, 0.2662



83.9952, 0.2893, 0.3130



60.9563, 0.2819, 0.4241



17.5341, 0.2859, 0.3106



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.



42.1061, 0.2352, 0.2662



48.2919, 0.2214, 0.2507



23.5726, 0.2195, 0.1852



15.3093, 0.2981, 0.3193



13.6354, 0.1865, 0.1914



1.1887, 0.1927, 0.2136

Inverse Universe

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



31.4808, 0.3681, 0.2523



34.6238, 0.3848, 0.2394



66.4505, 0.3918, 0.4403



14.5116, 0.3199, 0.3151



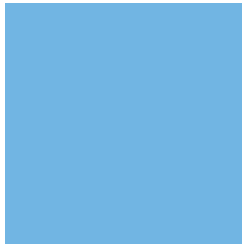
10.5742, 0.4551, 0.2281



0.7997, 0.4302, 0.2144

Previews

White Background



This preview shows how the Yxy color 42.1045, 0.2352, 0.2662 looks on a white background.

Color Contrast Check

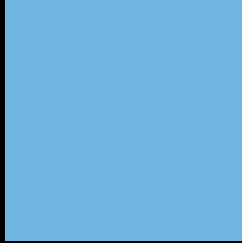
Large Text (above 18pt) WCAG AA × Fail

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 42.1045, 0.2352, 0.2662 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

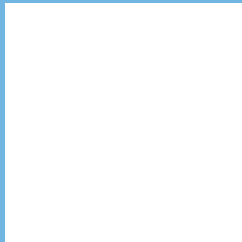
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1045, 0.2352, 0.2662

Background



This preview shows how black text looks on a background with the Yxy color 42.1045, 0.2352, 0.2662.



This preview shows how white text looks on a background with the Yxy color 42.1045, 0.2352, 0.2662.

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

42.1045, 0.2352, 0.2662

Protanopia

41.8702, 0.2676, 0.2656

Deuteranopia

41.7775, 0.2602, 0.2539



Tritanopia

42.2779, 0.2455, 0.3070

Trichromacy



Original Color

42.1045, 0.2352, 0.2662

Protanomaly

41.9169, 0.2544, 0.2655

Deuteranomaly

41.6243, 0.2499, 0.2582

Tritanomaly

42.0599, 0.2417, 0.2918

Monochromacy



Original Color

42.1045, 0.2352, 0.2662

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9597, 0.2790, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1045, 0.2352, 0.2662 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, 181, 227)` looks like.

```
.text, #text, p{  
    color:rgb(113, 181, 227)  
}
```

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, 181, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 181, 227) }
```

Border

The CSS property to change the border of an element to Yxy 42.1045, 0.2352, 0.2662 is called "border". The border property can be set on classes, ids or directly on the HTML element.

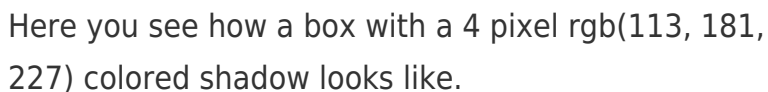
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 181, 227) }
```

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

```
.border{ border-color:rgb(113, 181, 227) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 181, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 181, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 181, 227); box-shadow:4px 4px 4px 4px rgb(113, 181, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1045, 0.2352, 0.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 181, 227) }
```

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

```
.background{ background-color: rgb(113,  
181, 227) }
```

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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