

Converting Colors

$Y_{xy}(42.1712, 0.2165, 0.2326)$

Have a look what the booklet for
Yxy(42.1712, 0.2165, 0.2326)
contains.

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Color

Yxy(42.0486, 0.2163, 0.2323)

Conversions

Conversions Part 1

Format	Color
Hex	63B3FE
RGB	99, 179, 254
RGB Percent	39%, 70%, 100%
CMY	0.6118, 0.2980, 0.0040
CMYK	0.61, 0.30, 0.00, 0.00
HSL	209°, 99%, 69%
HSV	209°, 61%, 100%
XYZ	39.1524, 42.0486, 99.8089
YIQ	163.6300, -71.7550, 6.3650

Conversions

Conversions Part 2

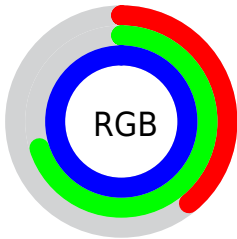
Format	Color
R _Y B	99, 152, 254
Decimal	6534142
CIE Lab	70.90, -2.56, -44.45
CIE LCh	71, 44.521, 266.705
Yxy	42.0486, 0.2163, 0.2323
Android (android.graphics.Color)	4284724222 (0xFF63B3FE)
YUV	163.6300, 44.5524, -56.6805
Hunter-Lab	64.8449, -5.7027, -45.8674

Details

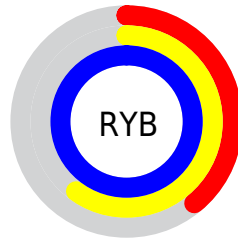
The Yxy color **42.0486, 0.2163, 0.2323** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.2329, 0.4505, 0.4040**, and the grayscale version is **36.7499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2137, 0.2578, 0.3063**, and **19.2881, 0.1922, 0.2080** is the 20% darker color. If you saturate the color by 10%, you get **36.1294, 0.2032, 0.2132**, and if you desaturate by 10%, it is **48.8593, 0.2310, 0.2510**.

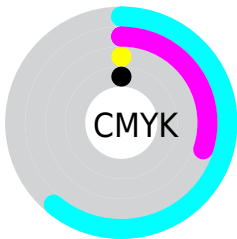
Distribution



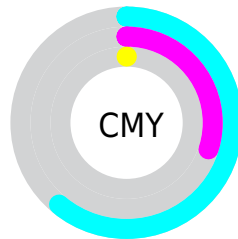
- Red (39%)
- Green (70%)
- Blue (100%)



- Red (39%)
- Yellow (60%)
- Blue (100%)



- Cyan (61%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0486, 0.2163, 0.2323 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 42.0486, 0.2163, 0.2323 by changing the saturation by 10% instead.

■ 42.0486, 0.2163,
0.2323

■ 42.0486, 0.2163,
0.2323

■ 354.6844, 0.2629,
0.2794

■ 29.1393, 0.2054,
0.2212

■ 78.2732, 0.2327,
0.2490

■ 19.1863, 0.1920,
0.2075

■ 102.3573, 0.2391,
0.2554

■ 11.8049, 0.1751,
0.1901

■ 130.9351, 0.2445,
0.2609

■ 6.6110, 0.1533,
0.1676

■ 164.3911, 0.2492,
0.2656

■ 3.2200, 0.1250,
0.1381

■ 203.1097, 0.2533,
0.2697

■ 1.2477, 0.0883,
0.0994

■ 247.4751, 0.2569,

■ 0.1001, 0.0059,

0.2734

0.0180

297.8719, 0.2601,
0.2766

■ 0.0000, 0.0000,
0.0000

■ 42.0486, 0.2163,
0.2323

■ 42.0486, 0.2163,
0.2323

■ 36.1294, 0.2032,
0.2132

■ 48.8593, 0.2310,
0.2510

■ 31.0421, 0.1922,
0.1941

■ 56.6062, 0.2467,
0.2689

■ 26.7237, 0.1836,
0.1757

■ 65.3355, 0.2630,
0.2857

■ 23.4186, 0.1778,
0.1600

■ 75.0884, 0.2794,
0.3012

■ 85.9035, 0.2955,
0.3152

97.8171, 0.3112,
0.3278

99.9351, 0.3133,
0.3300

Harmonies

Analogous

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



42.0486, 0.1993, 0.2568



42.0486, 0.2163, 0.2323



42.0486, 0.2573, 0.2316

Triad

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



42.0486, 0.2163, 0.2323



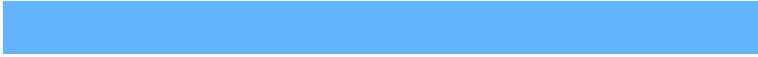
42.0486, 0.4296, 0.3339



42.0486, 0.2977, 0.4287

Complementary

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



42.0486, 0.2163, 0.2323



52.2329, 0.4505, 0.4040

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.



42.0486, 0.3603, 0.4469



42.0486, 0.2163, 0.2323



42.0486, 0.4400, 0.3830

Square

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



42.0486, 0.2163, 0.2323



42.0486, 0.3828, 0.2877



42.0486, 0.4130, 0.4257



42.0486, 0.2424, 0.3725

Rectangle

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



42.0486, 0.2163, 0.2323



42.0486, 0.2960, 0.2428



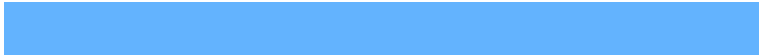
42.0486, 0.4130, 0.4257



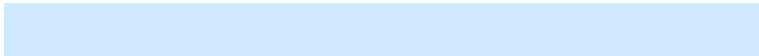
42.0486, 0.3186, 0.4397

Sweetspot

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



42.0501, 0.2163, 0.2323



78.9515, 0.2843, 0.3056



76.5817, 0.2723, 0.4326



16.2423, 0.2795, 0.3013



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.



42.0501, 0.2163, 0.2323



35.3701, 0.2009, 0.2093



19.2273, 0.1940, 0.1345



18.9288, 0.2979, 0.3172



12.6448, 0.1786, 0.1628



1.4500, 0.1842, 0.1829

Inverse Universe

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



33.2463, 0.4021, 0.2500



28.2124, 0.4296, 0.2417



91.2180, 0.4002, 0.4695



18.1437, 0.3213, 0.3168



12.0045, 0.4895, 0.2470



1.1909, 0.4650, 0.2335

Previews

White Background



This preview shows how the Yxy color 42.0486, 0.2163, 0.2323 looks on a white background.

Color Contrast Check

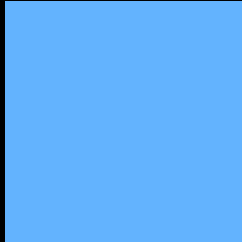
Large Text (above 18pt) WCAG AA × Fail

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 42.0486, 0.2163, 0.2323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

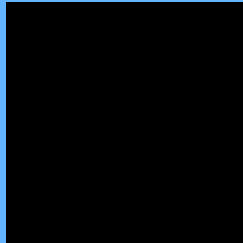
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

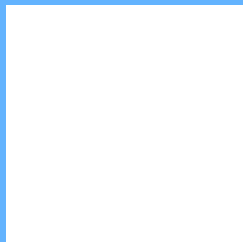
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0486, 0.2163, 0.2323

Background



This preview shows how black text looks on a background with the Yxy color 42.0486, 0.2163, 0.2323.



This preview shows how white text looks on a background with the Yxy color 42.0486, 0.2163, 0.2323.

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

42.0486, 0.2163, 0.2323

Protanopia

41.7608, 0.2424, 0.2334

Deuteranopia

41.9593, 0.2317, 0.2264



Tritanopia

42.2913, 0.2325, 0.3065

Trichromacy



Original Color

42.0486, 0.2163, 0.2323

Protanomaly

41.5351, 0.2310, 0.2318

Deuteranomaly

42.0909, 0.2256, 0.2285

Tritanomaly

41.8567, 0.2258, 0.2764

Monochromacy



Original Color

42.0486, 0.2163, 0.2323

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.9826, 0.2670, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0486, 0.2163, 0.2323 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(99, 179, 254)` looks like.

```
.text, #text, p{  
    color:rgb(99, 179, 254)  
}
```

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(99, 179, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 179, 254) }
```

Border

The CSS property to change the border of an element to Yxy 42.0486, 0.2163, 0.2323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

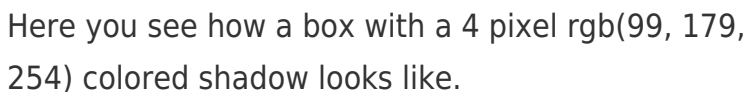
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 179, 254) }
```

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

```
.border{ border-color:rgb(99, 179, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 179, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 179, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 179, 254);  
box-shadow:4px 4px 4px 4px rgb(99, 179,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0486, 0.2163, 0.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 179, 254) }
```

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

```
.background{ background-color: rgb(99, 179,  
254) }
```

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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