

Converting Colors

$Y_{xy}(42.7368, 0.2170, 0.2332)$

Have a look what the booklet for
Yxy(42.7368, 0.2170, 0.2332)
contains.

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Color

Yxy(42.6292, 0.2170, 0.2328)

Conversions

Conversions Part 1

Format	Color
Hex	65B4FF
RGB	101, 180, 255
RGB Percent	40%, 71%, 100%
CMY	0.6040, 0.2941, 0.0000
CMYK	0.60, 0.29, 0.00, 0.00
HSL	209°, 100%, 70%
HSV	209°, 60%, 100%
XYZ	39.7360, 42.6292, 100.7499
YIQ	164.9290, -71.1590, 6.5770

Conversions

Conversions Part 2

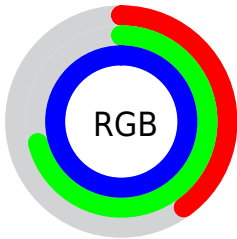
Format	Color
RYB	101, 153, 255
Decimal	6665471
CIELab	71.30, -2.44, -44.37
CIELCh	71, 44.436, 266.857
Yxy	42.6292, 0.2170, 0.2328
Android (android.graphics.Color)	4284855551 (0xFF65B4FF)
YUV	164.9290, 44.4050, -56.0657
Hunter-Lab	65.2910, -5.6246, -45.7861

Details

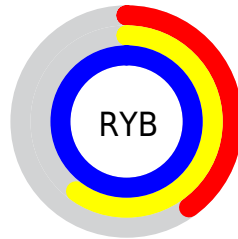
The Yxy color **42.6292, 0.2170, 0.2328** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.2344, 0.4484, 0.4039**, and the grayscale version is **37.3967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9974, 0.2589, 0.3075**, and **19.6540, 0.1932, 0.2089** is the 20% darker color. If you saturate the color by 10%, you get **36.5894, 0.2038, 0.2136**, and if you desaturate by 10%, it is **49.5760, 0.2318, 0.2516**.

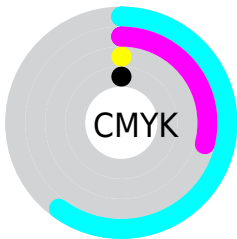
Distribution



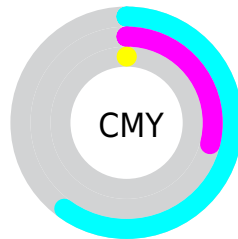
- Red (40%)
- Green (71%)
- Blue (100%)



- Red (40%)
- Yellow (60%)
- Blue (100%)



- Cyan (60%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6292, 0.2170, 0.2328 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 42.6292, 0.2170, 0.2328 by changing the saturation by 10% instead.

■ 42.6292, 0.2170,
0.2328

■ 42.6292, 0.2170,
0.2328

■ 357.0846, 0.2632,
0.2796

■ 29.5943, 0.2062,
0.2218

■ 79.1510, 0.2333,
0.2493

■ 19.5308, 0.1929,
0.2082

■ 103.4067, 0.2395,
0.2557

■ 12.0545, 0.1762,
0.1910

■ 132.1714, 0.2449,
0.2611

■ 6.7808, 0.1547,
0.1688

■ 165.8296, 0.2496,
0.2658

■ 3.3254, 0.1268,
0.1396

■ 204.7656, 0.2536,
0.2699

■ 1.3039, 0.0904,
0.1013

■ 249.3639, 0.2572,

■ 0.1442, 0.0134,

0.2735

0.0249

300.0087, 0.2604,
0.2767

0.0000, 0.0000,
0.0000

42.6292, 0.2170,
0.2328

42.6292, 0.2170,
0.2328

36.5894, 0.2038,
0.2136

49.5760, 0.2318,
0.2516

31.3987, 0.1926,
0.1944

57.4769, 0.2476,
0.2696

26.9932, 0.1838,
0.1758

66.3778, 0.2639,
0.2864

23.4119, 0.1775,
0.1589

76.3205, 0.2804,
0.3019

87.3438, 0.2965,
0.3159

99.4845, 0.3121,
0.3285

100.0000, 0.3127,
0.3290

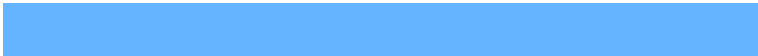
Harmonies

Analogous

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



42.6292, 0.2000, 0.2570



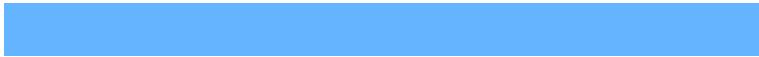
42.6292, 0.2170, 0.2328



42.6292, 0.2579, 0.2322

Triad

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



42.6292, 0.2170, 0.2328



42.6292, 0.4290, 0.3342



42.6292, 0.2975, 0.4278

Complementary

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



42.6292, 0.2170, 0.2328



53.2344, 0.4484, 0.4039

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.



42.6292, 0.3597, 0.4461



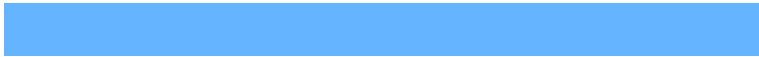
42.6292, 0.2170, 0.2328



42.6292, 0.4391, 0.3830

Square

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



42.6292, 0.2170, 0.2328



42.6292, 0.3826, 0.2881



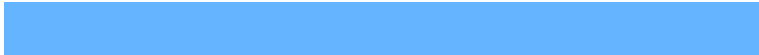
42.6292, 0.4122, 0.4254



42.6292, 0.2426, 0.3719

Rectangle

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



42.6292, 0.2170, 0.2328



42.6292, 0.2965, 0.2434



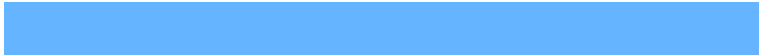
42.6292, 0.4122, 0.4254



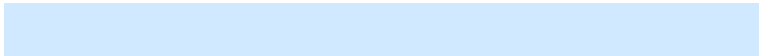
42.6292, 0.3183, 0.4388

Sweetspot

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



42.6300, 0.2170, 0.2328



78.8713, 0.2843, 0.3054



77.3964, 0.2725, 0.4313



16.2228, 0.2795, 0.3012



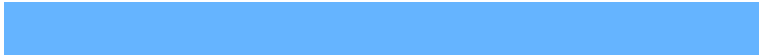
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.6300, 0.2170, 0.2328



35.7060, 0.2019, 0.2105



19.7921, 0.1952, 0.1365



18.9192, 0.2979, 0.3171



12.5335, 0.1783, 0.1618



1.4391, 0.1839, 0.1820

Inverse Universe

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



33.8567, 0.4014, 0.2511



28.5564, 0.4280, 0.2427



92.0919, 0.3995, 0.4685



18.1427, 0.3213, 0.3169



11.9932, 0.4909, 0.2478



1.1898, 0.4662, 0.2342

Previews

White Background



This preview shows how the Yxy color 42.6292, 0.2170, 0.2328 looks on a white background.

Color Contrast Check

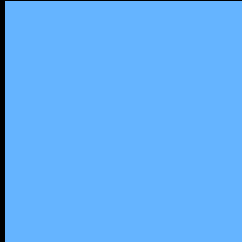
Large Text (above 18pt) WCAG AA × Fail

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 42.6292, 0.2170, 0.2328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

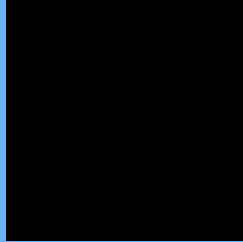
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

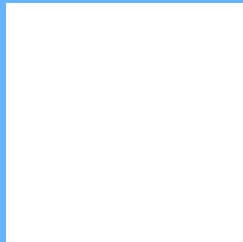
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6292, 0.2170, 0.2328

Background



This preview shows how black text looks on a background with the Yxy color 42.6292, 0.2170, 0.2328.



This preview shows how white text looks on a background with the Yxy color 42.6292, 0.2170, 0.2328.

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

42.6292, 0.2170, 0.2328

Protanopia

42.2927, 0.2427, 0.2339

Deuteranopia

42.5961, 0.2337, 0.2281



Tritanopia

42.8544, 0.2331, 0.3067

Trichromacy



Original Color

42.6292, 0.2170, 0.2328

Protanomaly

42.1427, 0.2319, 0.2323

Deuteranomaly

42.6306, 0.2269, 0.2301

Tritanomaly

42.4240, 0.2264, 0.2767

Monochromacy



Original Color

42.6292, 0.2170, 0.2328

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5775, 0.2680, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6292, 0.2170, 0.2328 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(101, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 180, 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(101, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.6292, 0.2170, 0.2328 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(101, 180, 255) }
```

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

```
.border{ border-color:rgb(101, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6292, 0.2170, 0.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 180, 255) }
```

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

```
.background{ background-color: rgb(101,  
180, 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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