

Converting Colors

$Yxy(44.9036, 0.2185, 0.2258)$

Have a look what the booklet for
Yxy(44.9036, 0.2185, 0.2258)
contains.

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Color

Yxy(44.2533, 0.2232, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	72B6FF
RGB	114, 182, 255
RGB Percent	45%, 71%, 100%
CMY	0.5526, 0.2863, 0.0000
CMYK	0.55, 0.29, 0.00, 0.00
HSL	211°, 100%, 72%
HSV	211°, 55%, 100%
XYZ	41.7293, 44.2533, 100.9768
YIQ	169.9900, -63.9610, 8.2870

Conversions

Conversions Part 2

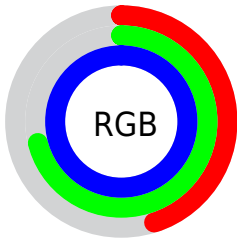
Format	Color
R_{YB}	114, 160, 255
Decimal	7517951
CIE _{Lab}	72.40, -1.01, -42.63
CIE _{LCh}	72, 42.639, 268.649
Yxy	44.2533, 0.2232, 0.2367
Android (android.graphics.Color)	4285708031 (0xFF72B6FF)
YUV	169.9900, 41.9099, -49.1032
Hunter-Lab	66.5232, -4.4442, -43.4312

Details

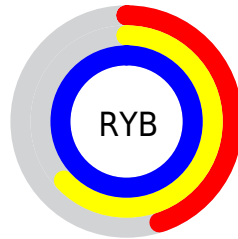
The Yxy color **44.2533, 0.2232, 0.2367** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.0619, 0.4310, 0.4032**, and the grayscale version is **40.0131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3677, 0.2648, 0.3101**, and **20.3821, 0.2003, 0.2124** is the 20% darker color. If you saturate the color by 10%, you get **37.6143, 0.2087, 0.2164**, and if you desaturate by 10%, it is **51.8785, 0.2390, 0.2564**.

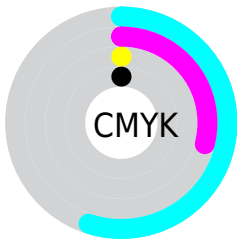
Distribution



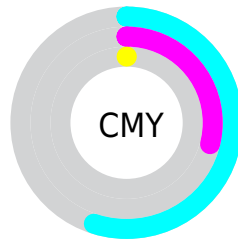
- Red (45%)
- Green (71%)
- Blue (100%)



- Red (45%)
- Yellow (63%)
- Blue (100%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2533, 0.2232, 0.2367 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 44.2533, 0.2232, 0.2367 by changing the saturation by 10% instead.

44.2533, 0.2232,
0.2367

44.2533, 0.2232,
0.2367

363.7409, 0.2664,
0.2814

30.8697, 0.2131,
0.2262

81.5988, 0.2384,
0.2525

20.4996, 0.2007,
0.2133

106.3294, 0.2443,
0.2585

12.7588, 0.1849,
0.1969

135.6112, 0.2493,
0.2637

7.2626, 0.1646,
0.1757

169.8285, 0.2536,
0.2682

3.6269, 0.1378,
0.1477

209.3657, 0.2574,
0.2721

1.4671, 0.1024,
0.1104

254.6073, 0.2608,

0.2654, 0.0374,

0.2756

0.0436

305.9375, 0.2637,
0.2786

0.0000, 0.0000,
0.0000

44.2533, 0.2232,
0.2367

44.2533, 0.2232,
0.2367

37.6143, 0.2087,
0.2164

51.8785, 0.2390,
0.2564

31.9084, 0.1959,
0.1959

60.5412, 0.2555,
0.2750

27.0729, 0.1855,
0.1758

70.2862, 0.2722,
0.2923

23.0338, 0.1776,
0.1569

81.1560, 0.2887,
0.3080

21.3529, 0.1746,
0.1484

93.1905, 0.3046,
0.3222

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.



44.2533, 0.2054, 0.2588



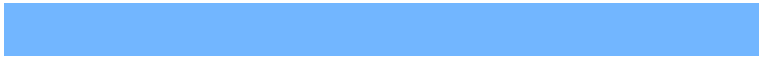
44.2533, 0.2232, 0.2367



44.2533, 0.2637, 0.2372

Triad

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



44.2533, 0.2232, 0.2367



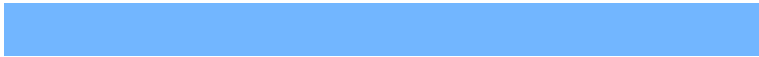
44.2533, 0.4245, 0.3372



44.2533, 0.2952, 0.4197

Complementary

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



44.2533, 0.2232, 0.2367



58.0619, 0.4310, 0.4032

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.



44.2533, 0.3544, 0.4399



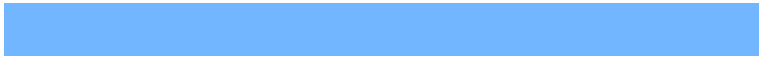
44.2533, 0.2232, 0.2367



44.2533, 0.4322, 0.3837

Square

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



44.2533, 0.2232, 0.2367



44.2533, 0.3823, 0.2927



44.2533, 0.4051, 0.4228



44.2533, 0.2436, 0.3659

Rectangle

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



44.2533, 0.2232, 0.2367



44.2533, 0.3010, 0.2486



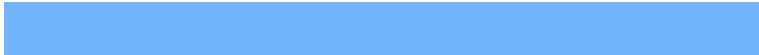
44.2533, 0.4051, 0.4228



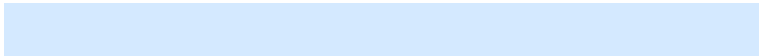
44.2533, 0.3148, 0.4310

Sweetspot

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



44.2528, 0.2232, 0.2367



79.1813, 0.2858, 0.3054



78.6866, 0.2723, 0.4146



16.4696, 0.2825, 0.3023



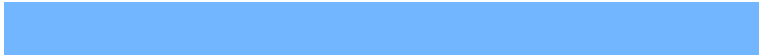
0.0000, 0.0000, 0.0000



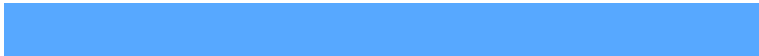
21.4041, 0.3127, 0.3290

Same Dimension

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



44.2528, 0.2232, 0.2367



37.1604, 0.2077, 0.2148



23.0177, 0.2065, 0.1517



18.8221, 0.2979, 0.3164



11.4530, 0.1754, 0.1514



1.3326, 0.1812, 0.1724

Inverse Universe

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



36.6914, 0.3957, 0.2606



30.8473, 0.4211, 0.2514



93.5542, 0.3909, 0.4618



18.1329, 0.3218, 0.3176



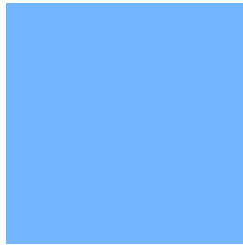
11.8841, 0.5042, 0.2551



1.1791, 0.4777, 0.2405

Previews

White Background



This preview shows how the Yxy color 44.2533, 0.2232, 0.2367 looks on a white background.

Color Contrast Check

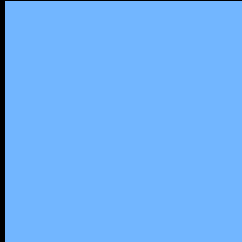
Large Text (above 18pt) WCAG AA × Fail

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 44.2533, 0.2232, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

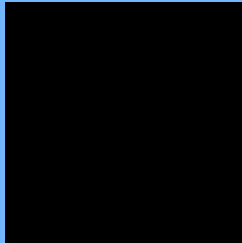
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

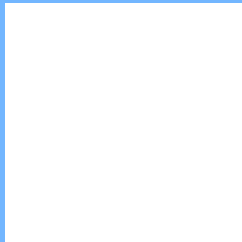
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.2533, 0.2232, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 44.2533, 0.2232, 0.2367.



This preview shows how white text looks on a background with the Yxy color 44.2533, 0.2232, 0.2367.

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

44.2533, 0.2232, 0.2367

Protanopia

43.9817, 0.2459, 0.2374

Deuteranopia

43.8997, 0.2376, 0.2315



Tritanopia

44.2534, 0.2399, 0.3058

Trichromacy



Original Color

44.2533, 0.2232, 0.2367

Protanomaly

43.8983, 0.2365, 0.2371

Deuteranomaly

44.1291, 0.2321, 0.2338

Tritanomaly

44.2318, 0.2338, 0.2793

Monochromacy



Original Color

44.2533, 0.2232, 0.2367

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.9732, 0.2725, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2533, 0.2232, 0.2367 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(114, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 182, 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(114, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.2533, 0.2232, 0.2367 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(114, 182, 255) }
```

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

```
.border{ border-color:rgb(114, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 182, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 182, 255); box-shadow:4px 4px 4px 4px rgb(114, 182, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2533, 0.2232, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 182, 255) }
```

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

```
.background{ background-color: rgb(114,  
182, 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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