

Converting Colors

$Y_{xy}(45.2530, 0.2193, 0.2413)$

Have a look what the booklet for
Yxy(45.2530, 0.2193, 0.2413)
contains.

Yxy(45.1626, 0.2192, 0.2410)	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(45.1626, 0.2192, 0.2410)

Conversions

Conversions Part 1

Format	Color
Hex	66BAFF
RGB	102, 186, 255
RGB Percent	40%, 73%, 100%
CMY	0.6005, 0.2705, 0.0000
CMYK	0.60, 0.27, 0.00, 0.00
HSL	207°, 100%, 70%
HSV	207°, 60%, 100%
XYZ	41.0774, 45.1626, 101.1567
YIQ	168.7500, -72.2130, 3.6510

Conversions

Conversions Part 2

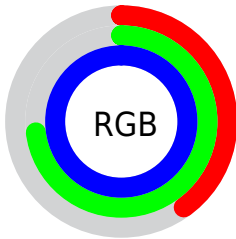
Format	Color
RYB	102, 156, 255
Decimal	6732543
CIELab	73.00, -5.59, -41.71
CIELCh	73, 42.079, 262.370
Yxy	45.1626, 0.2192, 0.2410
Android (android.graphics.Color)	4284922623 (0xFF66BAFF)
YUV	168.7500, 42.5213, -58.5397
Hunter-Lab	67.2031, -8.4988, -42.2034

Details

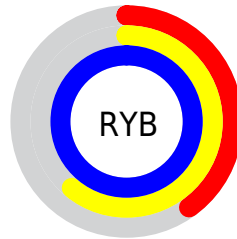
The Yxy color **45.1626, 0.2192, 0.2410** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.2891, 0.4515, 0.3981**, and the grayscale version is **39.3468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5108, 0.2599, 0.3143**, and **21.0117, 0.1960, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **39.2506, 0.2065, 0.2232**, and if you desaturate by 10%, it is **51.9248, 0.2335, 0.2583**.

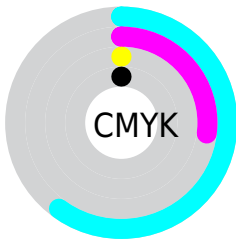
Distribution



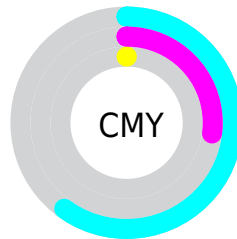
- Red (40%)
- Green (73%)
- Blue (100%)



- Red (40%)
- Yellow (61%)
- Blue (100%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1626, 0.2192, 0.2410 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 45.1626, 0.2192, 0.2410 by changing the saturation by 10% instead.

45.1626, 0.2192,
0.2410

45.1626, 0.2192,
0.2410

367.4317, 0.2640,
0.2839

31.5855, 0.2088,
0.2309

82.9644, 0.2349,
0.2562

21.0451, 0.1960,
0.2183

107.9578, 0.2410,
0.2620

13.1570, 0.1799,
0.2024

137.5255, 0.2462,
0.2670

7.5367, 0.1593,
0.1816

172.0519, 0.2507,
0.2713

3.8000, 0.1323,
0.1541

211.9213, 0.2547,
0.2750

1.5623, 0.0969,
0.1170

257.5181, 0.2581,

0.3320, 0.0292,

0.2783

0.0542

309.2268, 0.2612,
0.2813

0.0000, 0.0000,
0.0000

45.1626, 0.2192,
0.2410

45.1626, 0.2192,
0.2410

39.2506, 0.2065,
0.2232

51.9248, 0.2335,
0.2583

34.1312, 0.1957,
0.2055

59.5792, 0.2489,
0.2748

29.7448, 0.1873,
0.1881

68.1701, 0.2649,
0.2902

26.0121, 0.1810,
0.1715

77.7368, 0.2811,
0.3045

88.3159, 0.2971,
0.3174

99.9420, 0.3126,
0.3290

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



45.1626, 0.2067, 0.2677



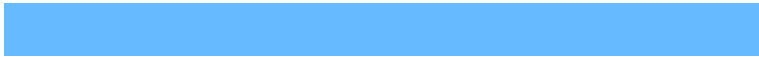
45.1626, 0.2192, 0.2410



45.1626, 0.2547, 0.2370

Triad

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



45.1626, 0.2192, 0.2410



45.1626, 0.4161, 0.3276



45.1626, 0.3077, 0.4252

Complementary

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



45.1626, 0.2192, 0.2410



51.2891, 0.4515, 0.3981

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.



45.1626, 0.3654, 0.4368



45.1626, 0.2192, 0.2410



45.1626, 0.4313, 0.3736

Square

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



45.1626, 0.2192, 0.2410



45.1626, 0.3693, 0.2851



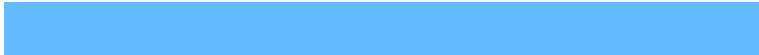
45.1626, 0.4113, 0.4144



45.1626, 0.2542, 0.3778

Rectangle

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



45.1626, 0.2192, 0.2410



45.1626, 0.2892, 0.2456



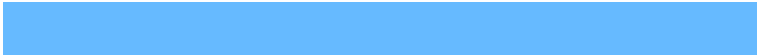
45.1626, 0.4113, 0.4144



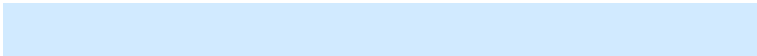
45.1626, 0.3272, 0.4335

Sweetspot

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



45.1642, 0.2192, 0.2410



79.8193, 0.2844, 0.3072



77.2682, 0.2749, 0.4375



16.4539, 0.2797, 0.3033



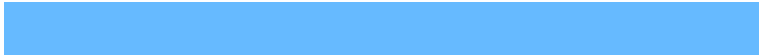
0.0000, 0.0000, 0.0000



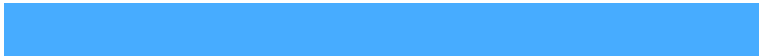
21.4041, 0.3127, 0.3290

Same Dimension

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



45.1642, 0.2192, 0.2410



38.1903, 0.2042, 0.2198



21.0902, 0.1972, 0.1432



19.0326, 0.2979, 0.3180



13.8949, 0.1817, 0.1743



1.5712, 0.1870, 0.1933

Inverse Universe

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



34.2852, 0.3936, 0.2461



28.8072, 0.4185, 0.2364



88.9470, 0.4019, 0.4642



18.1541, 0.3208, 0.3160



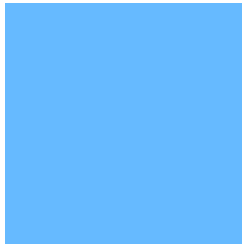
12.1307, 0.4755, 0.2393



1.2032, 0.4529, 0.2269

Previews

White Background



This preview shows how the Yxy color 45.1626, 0.2192, 0.2410 looks on a white background.

Color Contrast Check

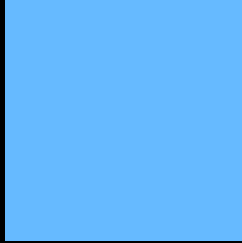
Large Text (above 18pt) WCAG AA × Fail

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 45.1626, 0.2192, 0.2410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

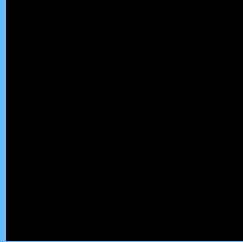
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

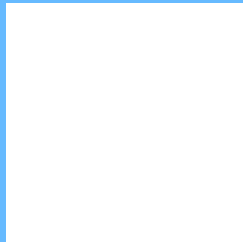
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1626, 0.2192, 0.2410

Background



This preview shows how black text looks on a background with the Yxy color 45.1626, 0.2192, 0.2410.



This preview shows how white text looks on a background with the Yxy color 45.1626, 0.2192, 0.2410.

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

45.1626, 0.2192, 0.2410

Protanopia

44.9342, 0.2493, 0.2424

Deuteranopia

44.9602, 0.2397, 0.2344



Tritanopia

45.0306, 0.2336, 0.3057

Trichromacy



Original Color

45.1626, 0.2192, 0.2410

Protanomaly

44.8630, 0.2366, 0.2418

Deuteranomaly

44.6878, 0.2310, 0.2360

Tritanomaly

44.8764, 0.2279, 0.2804

Monochromacy



Original Color

45.1626, 0.2192, 0.2410

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.8498, 0.2696, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1626, 0.2192, 0.2410 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(102, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 186, 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(102, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.1626, 0.2192, 0.2410 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(102, 186, 255) }
```

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

```
.border{ border-color:rgb(102, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1626, 0.2192, 0.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 186, 255) }
```

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

```
.background{ background-color: rgb(102,  
186, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor