

Converting Colors

$Y_{xy}(45.8670, 0.2197, 0.2432)$

Have a look what the booklet for
Yxy(45.8670, 0.2197, 0.2432)
contains.

Yxy(46.0112, 0.2198, 0.2437)	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(46.0112, 0.2198, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	66BCFF
RGB	102, 188, 255
RGB Percent	40%, 74%, 100%
CMY	0.6006, 0.2626, 0.0000
CMYK	0.60, 0.26, 0.00, 0.00
HSL	206°, 100%, 70%
HSV	206°, 60%, 100%
XYZ	41.4988, 46.0112, 101.2926
YIQ	169.9240, -72.7630, 2.6050

Conversions

Conversions Part 2

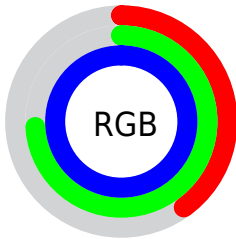
Format	Color
RYB	102, 157, 255
Decimal	6733055
CIELab	73.55, -6.69, -40.84
CIElCh	74, 41.383, 260.702
Yxy	46.0112, 0.2198, 0.2437
Android (android.graphics.Color)	4284923135 (0xFF66BCFF)
YUV	169.9240, 41.9425, -59.5693
Hunter-Lab	67.8316, -9.5003, -41.0554

Details

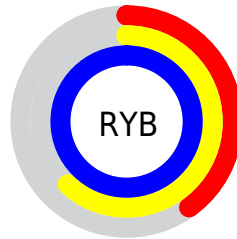
The Yxy color **46.0112, 0.2198, 0.2437** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.5256, 0.4530, 0.3961**, and the grayscale version is **39.9576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8139, 0.2607, 0.3166**, and **21.5646, 0.1970, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **40.1650, 0.2073, 0.2265**, and if you desaturate by 10%, it is **52.6866, 0.2339, 0.2605**.

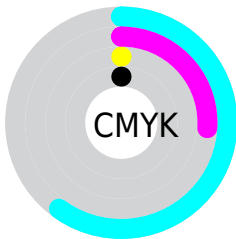
Distribution



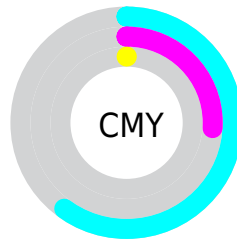
- Red (40%)
- Green (74%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0112, 0.2198, 0.2437 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 46.0112, 0.2198, 0.2437 by changing the saturation by 10% instead.

■ 46.0112, 0.2198,
0.2437

■ 46.0112, 0.2198,
0.2437

370.8537, 0.2642,
0.2853

■ 32.2547, 0.2095,
0.2339

■ 84.2358, 0.2353,
0.2584

■ 21.5561, 0.1969,
0.2217

■ 109.4726, 0.2414,
0.2641

■ 13.5311, 0.1810,
0.2061

■ 139.3049, 0.2465,
0.2689

■ 7.7953, 0.1606,
0.1859

174.1172, 0.2510,
0.2731

■ 3.9642, 0.1339,
0.1589

214.2938, 0.2549,
0.2767

■ 1.6536, 0.0989,
0.1223

260.2192, 0.2584,

■ 0.3933, 0.0337,

0.2799

0.0630

312.2777, 0.2615,
0.2828

0.0000, 0.0000,
0.0000

46.0112, 0.2198,
0.2437

46.0112, 0.2198,
0.2437

40.1650, 0.2073,
0.2265

52.6866, 0.2339,
0.2605

35.0912, 0.1967,
0.2092

60.2324, 0.2492,
0.2764

30.7310, 0.1884,
0.1923

68.6920, 0.2650,
0.2914

27.0088, 0.1823,
0.1762

78.1040, 0.2811,
0.3052

88.5045, 0.2971,
0.3177

99.9273, 0.3126,
0.3289

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



46.0112, 0.2088, 0.2713



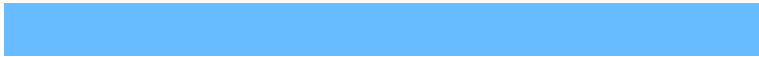
46.0112, 0.2198, 0.2437



46.0112, 0.2534, 0.2385

Triad

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



46.0112, 0.2198, 0.2437



46.0112, 0.4119, 0.3253



46.0112, 0.3111, 0.4244

Complementary

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



46.0112, 0.2198, 0.2437



50.5256, 0.4530, 0.3961

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.



46.0112, 0.3673, 0.4339



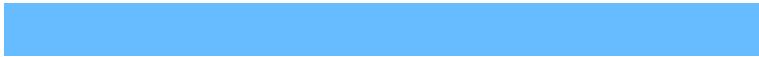
46.0112, 0.2198, 0.2437



46.0112, 0.4288, 0.3704

Square

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



46.0112, 0.2198, 0.2437



46.0112, 0.3649, 0.2840



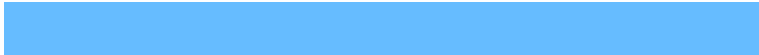
46.0112, 0.4112, 0.4109



46.0112, 0.2581, 0.3798

Rectangle

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



46.0112, 0.2198, 0.2437



46.0112, 0.2867, 0.2463



46.0112, 0.4112, 0.4109



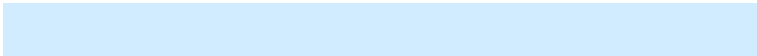
46.0112, 0.3303, 0.4319

Sweetspot

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



46.0128, 0.2198, 0.2437



80.1650, 0.2844, 0.3078



77.1657, 0.2761, 0.4410



16.5382, 0.2797, 0.3040



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.



46.0128, 0.2198, 0.2437



39.1218, 0.2050, 0.2231



21.6393, 0.1978, 0.1460



19.0738, 0.2979, 0.3183



14.4165, 0.1830, 0.1788



1.6213, 0.1882, 0.1974

Inverse Universe

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



34.3652, 0.3912, 0.2442



28.9013, 0.4151, 0.2342



87.3875, 0.4033, 0.4624



18.1583, 0.3206, 0.3157



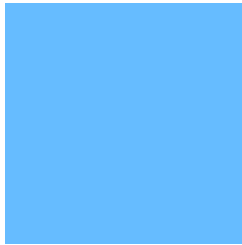
12.1833, 0.4699, 0.2362



1.2082, 0.4482, 0.2243

Previews

White Background



This preview shows how the Yxy color 46.0112, 0.2198, 0.2437 looks on a white background.

Color Contrast Check

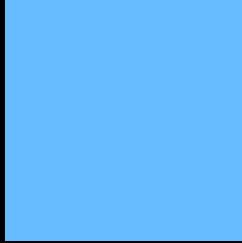
Large Text (above 18pt) WCAG AA × Fail

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 46.0112, 0.2198, 0.2437 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

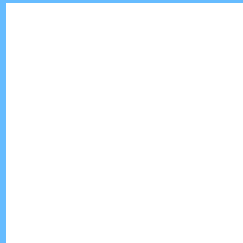
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0112, 0.2198, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 46.0112, 0.2198, 0.2437.



This preview shows how white text looks on a background with the Yxy color 46.0112, 0.2198, 0.2437.

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

46.0112, 0.2198, 0.2437

Protanopia

45.5306, 0.2508, 0.2439

Deuteranopia

45.6401, 0.2417, 0.2361



Tritanopia

46.0723, 0.2337, 0.3059

Trichromacy



Original Color

46.0112, 0.2198, 0.2437

Protanomaly

45.3531, 0.2374, 0.2432

Deuteranomaly

45.6624, 0.2325, 0.2388

Tritanomaly

45.9150, 0.2281, 0.2808

Monochromacy



Original Color

46.0112, 0.2198, 0.2437

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.6811, 0.2692, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0112, 0.2198, 0.2437 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, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 188, 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, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.0112, 0.2198, 0.2437 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, 188, 255) }
```

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

```
.border{ border-color:rgb(102, 188, 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, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 188,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0112, 0.2198, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 188, 255) }
```

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

```
.background{ background-color: rgb(102,  
188, 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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