

Converting Colors

$Yxy(45.8107, 0.2236, 0.2419)$

Have a look what the booklet for
Yxy(45.8107, 0.2236, 0.2419)
contains.

Yxy(45.7826, 0.2234, 0.2419)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7826, 0.2234, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	70BAFF
RGB	112, 186, 255
RGB Percent	44%, 73%, 100%
CMY	0.5611, 0.2705, 0.0001
CMYK	0.56, 0.27, 0.00, 0.00
HSL	209°, 100%, 72%
HSV	209°, 56%, 100%
XYZ	42.2812, 45.7826, 101.1987
YIQ	171.7400, -66.2530, 5.7710

Conversions

Conversions Part 2

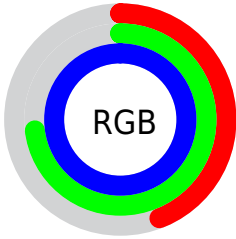
Format	Color
R _Y B	112, 161, 255
Decimal	7387903
CIE Lab	73.40, -3.68, -41.03
CIE LCh	73, 41.199, 264.880
Yxy	45.7826, 0.2234, 0.2419
Android (android.graphics.Color)	4285577983 (0xFF70BAFF)
YUV	171.7400, 41.0472, -52.3920
Hunter-Lab	67.6628, -6.8687, -41.3120

Details

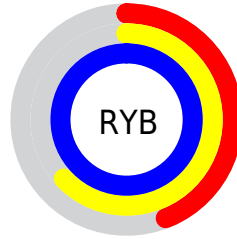
The Yxy color **45.7826, 0.2234, 0.2419** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.4295, 0.4367, 0.3991**, and the grayscale version is **40.9239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4949, 0.2644, 0.3145**, and **21.3877, 0.2012, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **39.3838, 0.2095, 0.2230**, and if you desaturate by 10%, it is **53.1035, 0.2386, 0.2602**.

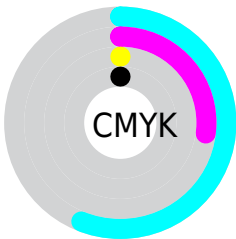
Distribution



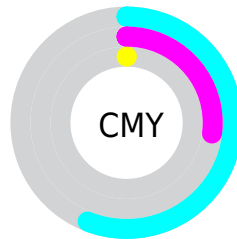
- Red (44%)
- Green (73%)
- Blue (100%)



- Red (44%)
- Yellow (63%)
- Blue (100%)



- Cyan (56%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7826, 0.2234, 0.2419 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 45.7826, 0.2234, 0.2419 by changing the saturation by 10% instead.

■ 45.7826, 0.2234,
0.2419

■ 45.7826, 0.2234,
0.2419

369.9339, 0.2662,
0.2842

■ 32.0743, 0.2135,
0.2320

■ 83.8935, 0.2384,
0.2568

■ 21.4183, 0.2012,
0.2196

■ 109.0650, 0.2443,
0.2626

■ 13.4301, 0.1857,
0.2040

■ 138.8263, 0.2492,
0.2675

■ 7.7254, 0.1657,
0.1837

173.5618, 0.2535,
0.2717

■ 3.9197, 0.1394,
0.1567

213.6559, 0.2573,
0.2754

■ 1.6288, 0.1046,
0.1202

259.4930, 0.2607,

■ 0.3769, 0.0428,

0.2787

0.0601

311.4576, 0.2636,
0.2816

■ 0.0000, 0.0000,
0.0000

■ 45.7826, 0.2234,
0.2419

■ 45.7826, 0.2234,
0.2419

■ 39.3838, 0.2095,
0.2230

■ 53.1035, 0.2386,
0.2602

■ 33.8500, 0.1975,
0.2039

■ 61.3889, 0.2547,
0.2775

■ 29.1231, 0.1877,
0.1851

■ 70.6835, 0.2711,
0.2936

■ 25.1310, 0.1803,
0.1673

■ 81.0274, 0.2874,
0.3083

■ 23.7364, 0.1779,
0.1606

■ 92.4583, 0.3033,
0.3216

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



45.7826, 0.2092, 0.2662



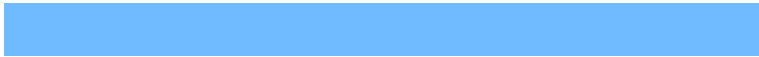
45.7826, 0.2234, 0.2419



45.7826, 0.2599, 0.2396

Triad

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



45.7826, 0.2234, 0.2419



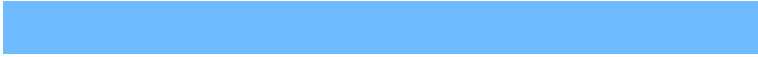
45.7826, 0.4160, 0.3316



45.7826, 0.3032, 0.4198

Complementary

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



45.7826, 0.2234, 0.2419



55.4295, 0.4367, 0.3991

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.



45.7826, 0.3598, 0.4346



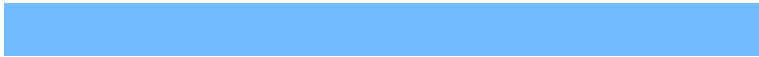
45.7826, 0.2234, 0.2419



45.7826, 0.4280, 0.3765

Square

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



45.7826, 0.2234, 0.2419



45.7826, 0.3725, 0.2893



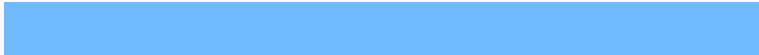
45.7826, 0.4061, 0.4153



45.7826, 0.2520, 0.3716

Rectangle

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



45.7826, 0.2234, 0.2419



45.7826, 0.2945, 0.2491



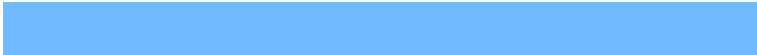
45.7826, 0.4061, 0.4153



45.7826, 0.3222, 0.4290

Sweetspot

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



45.7842, 0.2234, 0.2419



80.0684, 0.2859, 0.3071



78.1897, 0.2752, 0.4258



16.6788, 0.2826, 0.3042



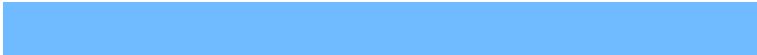
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



45.7842, 0.2234, 0.2419



38.8588, 0.2084, 0.2213



23.3118, 0.2045, 0.1536



18.9341, 0.2979, 0.3172



12.7057, 0.1787, 0.1634



1.4560, 0.1843, 0.1835

Inverse Universe

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



36.3755, 0.3913, 0.2547



30.6270, 0.4152, 0.2449



90.9276, 0.3959, 0.4591



18.1442, 0.3213, 0.3168



12.0106, 0.4888, 0.2467



1.1915, 0.4644, 0.2332

Previews

White Background



This preview shows how the Yxy color 45.7826, 0.2234, 0.2419 looks on a white background.

Color Contrast Check

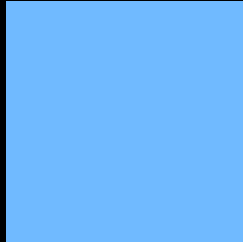
Large Text (above 18pt) WCAG AA × Fail

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 45.7826, 0.2234, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

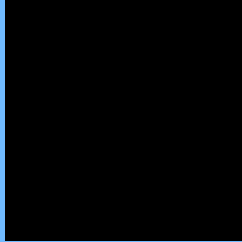
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

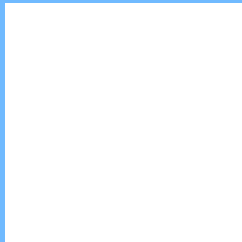
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7826, 0.2234, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 45.7826, 0.2234, 0.2419.



This preview shows how white text looks on a background with the Yxy color 45.7826, 0.2234, 0.2419.

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

45.7826, 0.2234, 0.2419

Protanopia

45.4907, 0.2496, 0.2428

Deuteranopia

45.6401, 0.2417, 0.2361



Tritanopia

45.6696, 0.2389, 0.3060

Trichromacy



Original Color

45.7826, 0.2234, 0.2419

Protanomaly

45.2703, 0.2383, 0.2413

Deuteranomaly

45.5861, 0.2344, 0.2380

Tritanomaly

45.5193, 0.2329, 0.2810

Monochromacy



Original Color

45.7826, 0.2234, 0.2419

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.1926, 0.2722, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7826, 0.2234, 0.2419 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(112, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.7826, 0.2234, 0.2419 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(112, 186, 255) }
```

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

```
.border{ border-color:rgb(112, 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(112, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7826, 0.2234, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 186, 255) }
```

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

```
.background{ background-color: rgb(112,  
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](#).

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