

Converting Colors

$Y_{xy}(47.3239, 0.2262, 0.2413)$

Have a look what the booklet for
Yxy(47.3239, 0.2262, 0.2413)
contains.

Yxy(47.1795, 0.2276, 0.2453)	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(47.1795, 0.2276, 0.2453)

Conversions

Conversions Part 1

Format	Color
Hex	78BCFF
RGB	120, 188, 255
RGB Percent	47%, 74%, 100%
CMY	0.5294, 0.2627, 0.0001
CMYK	0.53, 0.26, 0.00, 0.00
HSL	210°, 100%, 74%
HSV	210°, 53%, 100%
XYZ	43.7752, 47.1795, 101.3792
YIQ	175.3060, -62.0350, 6.4210

Conversions

Conversions Part 2

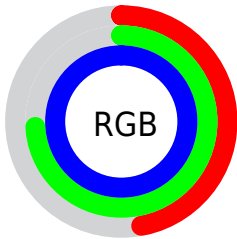
Format	Color
R _Y B	120, 165, 255
Decimal	7912703
CIE Lab	74.30, -3.11, -39.60
CIE LCh	74, 39.721, 265.504
Yxy	47.1795, 0.2276, 0.2453
Android (android.graphics.Color)	4286102783 (0xFF78BCFF)
YUV	175.3060, 39.2891, -48.5034
Hunter-Lab	68.6873, -6.4428, -39.4280

Details

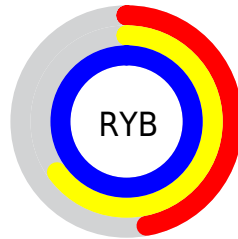
The Yxy color **47.1795, 0.2276, 0.2453** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.1392, 0.4266, 0.3976**, and the grayscale version is **42.8549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5051, 0.2682, 0.3169**, and **22.2750, 0.2066, 0.2240** is the 20% darker color. If you saturate the color by 10%, you get **40.4237, 0.2130, 0.2259**, and if you desaturate by 10%, it is **54.8978, 0.2433, 0.2639**.

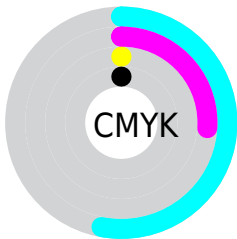
Distribution



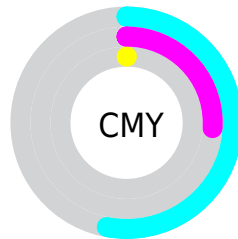
- Red (47%)
- Green (74%)
- Blue (100%)



- Red (47%)
- Yellow (65%)
- Blue (100%)



- Cyan (53%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1795, 0.2276, 0.2453 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 47.1795, 0.2276, 0.2453 by changing the saturation by 10% instead.

■ 47.1795, 0.2276,
0.2453

■ 47.1795, 0.2276,
0.2453

■ 375.5306, 0.2684,
0.2858

■ 33.1776, 0.2181,
0.2358

■ 85.9815, 0.2419,
0.2596

■ 22.2625, 0.2064,
0.2240

■ 111.5504, 0.2474,
0.2651

■ 14.0499, 0.1916,
0.2090

■ 141.7437, 0.2522,
0.2698

■ 8.1554, 0.1725,
0.1896

■ 176.9458, 0.2563,
0.2738

■ 4.1945, 0.1473,
0.1636

■ 217.5412, 0.2599,
0.2774

■ 1.7830, 0.1134,
0.1282

■ 263.9142, 0.2630,

■ 0.4765, 0.0579,

0.2805

0.0733

316.4492, 0.2659,
0.2833

0.0000, 0.0000,
0.0000

47.1795, 0.2276,
0.2453

47.1795, 0.2276,
0.2453

40.4237, 0.2130,
0.2259

54.8978, 0.2433,
0.2639

34.5737, 0.2001,
0.2063

63.6201, 0.2597,
0.2814

29.5731, 0.1894,
0.1869

73.3915, 0.2762,
0.2975

25.3532, 0.1812,
0.1683

84.2520, 0.2925,
0.3122

22.7769, 0.1766,
0.1558

96.2394, 0.3082,
0.3254

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



47.1795, 0.2134, 0.2684



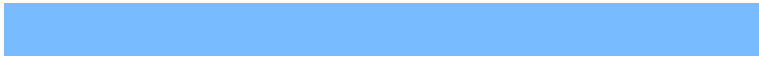
47.1795, 0.2276, 0.2453



47.1795, 0.2632, 0.2434

Triad

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



47.1795, 0.2276, 0.2453



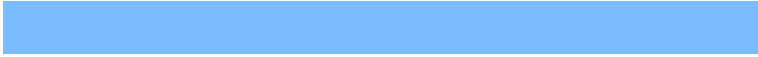
47.1795, 0.4118, 0.3327



47.1795, 0.3028, 0.4146

Complementary

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



47.1795, 0.2276, 0.2453



58.1392, 0.4266, 0.3976

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.



47.1795, 0.3569, 0.4297



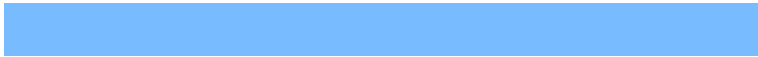
47.1795, 0.2276, 0.2453



47.1795, 0.4227, 0.3758

Square

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



47.1795, 0.2276, 0.2453



47.1795, 0.3709, 0.2918



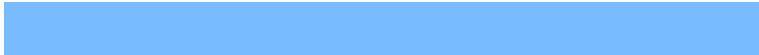
47.1795, 0.4014, 0.4124



47.1795, 0.2539, 0.3685

Rectangle

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



47.1795, 0.2276, 0.2453



47.1795, 0.2966, 0.2527



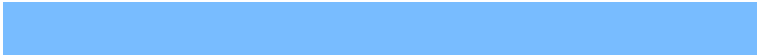
47.1795, 0.4014, 0.4124



47.1795, 0.3210, 0.4236

Sweetspot

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



47.1812, 0.2276, 0.2453



80.8235, 0.2875, 0.3079



79.0064, 0.2754, 0.4162



16.8165, 0.2842, 0.3049



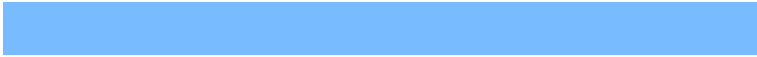
0.0000, 0.0000, 0.0000



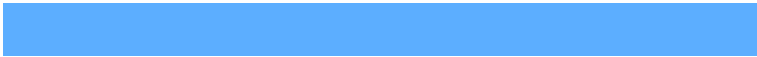
21.4041, 0.3127, 0.3290

Same Dimension

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



47.1812, 0.2276, 0.2453



39.7670, 0.2116, 0.2238



25.1950, 0.2106, 0.1618



18.8903, 0.2979, 0.3169



12.2038, 0.1774, 0.1587



1.4068, 0.1831, 0.1791

Inverse Universe

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



38.3207, 0.3871, 0.2601



31.9367, 0.4114, 0.2494



92.6834, 0.3908, 0.4548



18.1398, 0.3215, 0.3171



11.9599, 0.4948, 0.2499



1.1866, 0.4696, 0.2361

Previews

White Background



This preview shows how the Yxy color 47.1795, 0.2276, 0.2453 looks on a white background.

Color Contrast Check

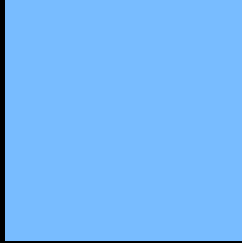
Large Text (above 18pt) WCAG AA × Fail

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 47.1795, 0.2276, 0.2453 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

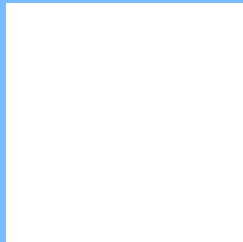
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1795, 0.2276, 0.2453

Background



This preview shows how black text looks on a background with the Yxy color 47.1795, 0.2276, 0.2453.



This preview shows how white text looks on a background with the Yxy color 47.1795, 0.2276, 0.2453.

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

47.1795, 0.2276, 0.2453

Protanopia

46.6989, 0.2525, 0.2458

Deuteranopia

46.9304, 0.2451, 0.2393



Tritanopia

47.2366, 0.2430, 0.3065

Trichromacy



Original Color

47.1795, 0.2276, 0.2453

Protanomaly

46.6240, 0.2422, 0.2446

Deuteranomaly

46.9266, 0.2381, 0.2413

Tritanomaly

47.0564, 0.2366, 0.2818

Monochromacy



Original Color

47.1795, 0.2276, 0.2453

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.9707, 0.2749, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1795, 0.2276, 0.2453 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(120, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.1795, 0.2276, 0.2453 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(120, 188, 255) }
```

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

```
.border{ border-color:rgb(120, 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(120, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 188,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1795, 0.2276, 0.2453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 188, 255) }
```

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

```
.background{ background-color: rgb(120,  
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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