

Converting Colors

$Yxy(42.5837, 0.2487, 0.2799)$

Have a look what the booklet for
Yxy(42.5837, 0.2487, 0.2799)
contains.

Yxy(42.5695, 0.2483, 0.2796)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.5695, 0.2483, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	7FB5D9
RGB	127, 181, 217
RGB Percent	50%, 71%, 85%
CMY	0.5019, 0.2902, 0.1490
CMYK	0.41, 0.17, 0.00, 0.15
HSL	204°, 54%, 67%
HSV	204°, 41%, 85%
XYZ	37.8040, 42.5695, 71.8779
YIQ	168.9580, -43.7400, -0.2520

Conversions

Conversions Part 2

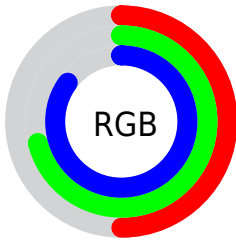
Format	Color
RYB	127, 161, 217
Decimal	8369625
CIELab	71.26, -8.42, -23.69
CIElCh	71, 25.144, 250.435
Yxy	42.5695, 0.2483, 0.2796
Android (android.graphics.Color)	4286559705 (0xFF7FB5D9)
YUV	168.9580, 23.6847, -36.7972
Hunter-Lab	65.2453, -10.7539, -19.6455

Details

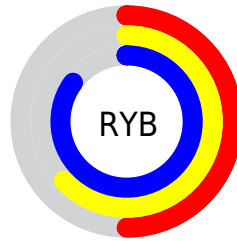
The Yxy color **42.5695, 0.2483, 0.2796** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **42.4947, 0.3998, 0.3730**, and the grayscale version is **39.5545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8557, 0.2695, 0.3092**, and **19.4247, 0.2305, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **37.6574, 0.2338, 0.2651**, and if you desaturate by 10%, it is **48.0639, 0.2636, 0.2932**.

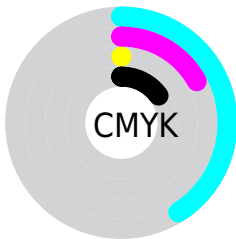
Distribution



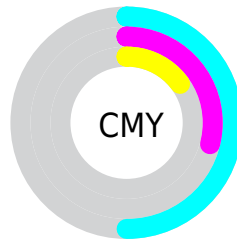
- Red (50%)
- Green (71%)
- Blue (85%)



- Red (50%)
- Yellow (63%)
- Blue (85%)



- Cyan (41%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (50%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5695, 0.2483, 0.2796 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 42.5695, 0.2483, 0.2796 by changing the saturation by 10% instead.

■ 42.5695, 0.2483,
0.2796

■ 42.5695, 0.2483,
0.2796

■ 356.8383, 0.2802,
0.3047

■ 29.5475, 0.2405,
0.2733

■ 79.0608, 0.2598,
0.2888

■ 19.4954, 0.2307,
0.2651

■ 103.2989, 0.2641,
0.2922

■ 12.0288, 0.2178,
0.2543

■ 132.0445, 0.2678,
0.2951

■ 6.7633, 0.2004,
0.2393

■ 165.6819, 0.2710,
0.2976

■ 3.3145, 0.1758,
0.2173

■ 204.5956, 0.2737,
0.2997

■ 1.2980, 0.1391,
0.1830

■ 249.1700, 0.2761,

■ 0.1397, 0.0000,

0.3016

0.0630

299.7894, 0.2783,
0.3033

0.0000, 0.0000,
0.0000

42.5695, 0.2483,
0.2796

42.5695, 0.2483,
0.2796

37.6574, 0.2338,
0.2651

48.0639, 0.2636,
0.2932

33.2956, 0.2204,
0.2500

54.1607, 0.2793,
0.3058

29.4555, 0.2087,
0.2345

60.8850, 0.2950,
0.3172

26.1031, 0.1989,
0.2189

68.2587, 0.3105,
0.3276

23.1984, 0.1913,
0.2035

76.3023, 0.3255,
0.3368

■ 21.0186, 0.1863,
0.1908

■ 84.6099, 0.3383,
0.3451

■ 89.6521, 0.3370,
0.3536

■ 94.9398, 0.3358,
0.3618

■ 97.7904, 0.3351,
0.3661

Harmonies

Analogous

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



42.5695, 0.2466, 0.3035



42.5695, 0.2483, 0.2796



42.5695, 0.2660, 0.2700

Triad

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



42.5695, 0.2483, 0.2796



42.5695, 0.3660, 0.3181



42.5695, 0.3256, 0.3912

Complementary

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



42.5695, 0.2483, 0.2796



42.4947, 0.3998, 0.3730

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.



42.5695, 0.3591, 0.3919



42.5695, 0.2483, 0.2796



42.5695, 0.3837, 0.3478

Square

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



42.5695, 0.2483, 0.2796



42.5695, 0.3335, 0.2921



42.5695, 0.3809, 0.3750



42.5695, 0.2898, 0.3706

Rectangle

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



42.5695, 0.2483, 0.2796



42.5695, 0.2853, 0.2717



42.5695, 0.3809, 0.3750



42.5695, 0.3375, 0.3937

Sweetspot

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



42.5711, 0.2483, 0.2796



87.0850, 0.2940, 0.3165



56.7912, 0.2861, 0.4043



18.3567, 0.2919, 0.3151



0.0000, 0.0000, 0.0000



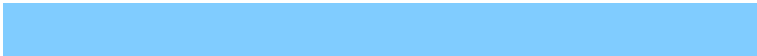
21.4041, 0.3127, 0.3290

Same Dimension

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



42.5711, 0.2483, 0.2796



54.9433, 0.2352, 0.2666



27.1389, 0.2378, 0.2145



13.9097, 0.2982, 0.3194



12.9338, 0.1869, 0.1929



1.0049, 0.1937, 0.2174

Inverse Universe

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



33.2746, 0.3547, 0.2649



40.9265, 0.3678, 0.2517



61.4051, 0.3782, 0.4222



13.1820, 0.3199, 0.3151



9.9294, 0.4534, 0.2271



0.6601, 0.4260, 0.2120

Previews

White Background



This preview shows how the Yxy color 42.5695, 0.2483, 0.2796 looks on a white background.

Color Contrast Check

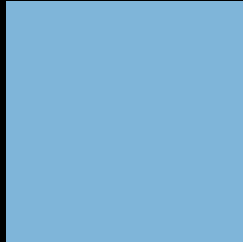
Large Text (above 18pt) WCAG AA × Fail

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 42.5695, 0.2483, 0.2796 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

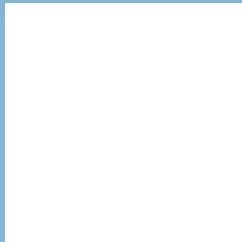
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5695, 0.2483, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 42.5695, 0.2483, 0.2796.



This preview shows how white text looks on a background with the Yxy color 42.5695, 0.2483, 0.2796.

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

42.5695, 0.2483, 0.2796

Protanopia

42.2075, 0.2769, 0.2781

Deuteranopia

42.4558, 0.2728, 0.2676



Tritanopia

42.5421, 0.2563, 0.3074

Trichromacy



Original Color

42.5695, 0.2483, 0.2796

Protanomaly

42.0433, 0.2654, 0.2783

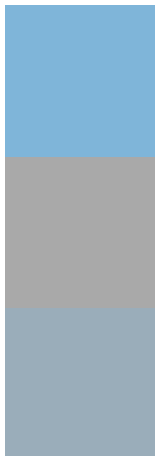
Deuteranomaly

42.3973, 0.2629, 0.2723

Tritanomaly

42.6083, 0.2532, 0.2965

Monochromacy



Original Color

42.5695, 0.2483, 0.2796

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.3023, 0.2863, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5695, 0.2483, 0.2796 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(127, 181, 217)` looks like.

```
.text, #text, p{  
    color:rgb(127, 181, 217)  
}
```

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(127, 181, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 181, 217) }
```

Border

The CSS property to change the border of an element to Yxy 42.5695, 0.2483, 0.2796 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(127, 181, 217) }
```

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

```
.border{ border-color:rgb(127, 181, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 181, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 181, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 181, 217); box-shadow:4px 4px 4px 4px rgb(127, 181, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5695, 0.2483, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 181, 217) }
```

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

```
.background{ background-color: rgb(127,  
181, 217) }
```

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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