

Converting Colors

$Yxy(46.1689, 0.2612, 0.2800)$

Have a look what the booklet for
Yxy(46.1689, 0.2612, 0.2800)
contains.

Yxy(46.1342, 0.2612, 0.2797)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.1342, 0.2612, 0.2797)

Conversions

Conversions Part 1

Format	Color
Hex	97B8DE
RGB	151, 184, 222
RGB Percent	59%, 72%, 87%
CMY	0.4079, 0.2784, 0.1295
CMYK	0.32, 0.17, 0.00, 0.13
HSL	212°, 52%, 73%
HSV	212°, 32%, 87%
XYZ	43.0828, 46.1342, 75.7247
YIQ	178.4650, -31.8660, 4.8220

Conversions

Conversions Part 2

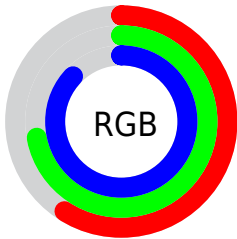
Format	Color
RYB	151, 174, 222
Decimal	9943262
CIELab	73.63, -2.26, -22.66
CIELCh	74, 22.771, 264.294
Yxy	46.1342, 0.2612, 0.2797
Android (android.graphics.Color)	4288133342 (0xFF97B8DE)
YUV	178.4650, 21.4628, -24.0868
Hunter-Lab	67.9222, -5.6419, -18.5554

Details

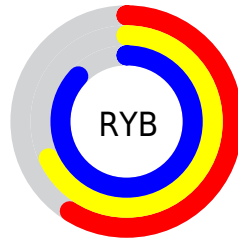
The Yxy color **46.1342, 0.2612, 0.2797** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.1345, 0.3719, 0.3736**, and the grayscale version is **44.6757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8056, 0.2835, 0.3132**, and **21.6193, 0.2472, 0.2655** is the 20% darker color. If you saturate the color by 10%, you get **39.4813, 0.2445, 0.2611**, and if you desaturate by 10%, it is **53.6045, 0.2778, 0.2969**.

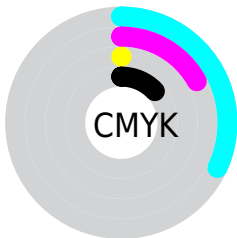
Distribution



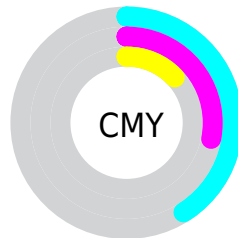
- Red (59%)
- Green (72%)
- Blue (87%)



- Red (59%)
- Yellow (68%)
- Blue (87%)



- Cyan (32%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (41%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1342, 0.2612, 0.2797 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 46.1342, 0.2612, 0.2797 by changing the saturation by 10% instead.

■ 46.1342, 0.2612,
0.2797

■ 46.1342, 0.2612,
0.2797

■ 371.3479, 0.2866,
0.3041

■ 32.3517, 0.2550,
0.2737

■ 84.4198, 0.2703,
0.2885

■ 21.6303, 0.2472,
0.2661

■ 109.6917, 0.2737,
0.2918

■ 13.5855, 0.2370,
0.2561

■ 139.5623, 0.2767,
0.2947

■ 7.8329, 0.2233,
0.2425

■ 174.4158, 0.2792,
0.2971

■ 3.9882, 0.2037,
0.2230

■ 214.6368, 0.2814,
0.2992

■ 1.6670, 0.1740,
0.1932

■ 260.6095, 0.2833,

■ 0.4021, 0.1027,

0.3011

0.1263

312.7184, 0.2850,
0.3027

0.0000, 0.0000,
0.0000

46.1342, 0.2612,
0.2797

46.1342, 0.2612,
0.2797

39.4813, 0.2445,
0.2611

53.6045, 0.2778,
0.2969

33.6077, 0.2283,
0.2412

61.9172, 0.2941,
0.3124

28.4801, 0.2131,
0.2205

71.1029, 0.3097,
0.3264

24.0597, 0.1995,
0.1995

81.1889, 0.3245,
0.3388

20.3034, 0.1880,
0.1788

90.8542, 0.3336,
0.3501

■ 17.1611, 0.1790,
0.1591

■ 98.0527, 0.3322,
0.3612

■ 15.0257, 0.1734,
0.1443

Harmonies

Analogous

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



46.1342, 0.2529, 0.2955



46.1342, 0.2612, 0.2797



46.1342, 0.2829, 0.2770

Triad

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



46.1342, 0.2612, 0.2797



46.1342, 0.3689, 0.3317



46.1342, 0.3094, 0.3771

Complementary

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



46.1342, 0.2612, 0.2797



54.1345, 0.3719, 0.3736

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.



46.1342, 0.3410, 0.3862



46.1342, 0.2612, 0.2797



46.1342, 0.3764, 0.3578

Square

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



46.1342, 0.2612, 0.2797



46.1342, 0.3454, 0.3063



46.1342, 0.3658, 0.3782



46.1342, 0.2797, 0.3528

Rectangle

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



46.1342, 0.2612, 0.2797



46.1342, 0.3027, 0.2822



46.1342, 0.3658, 0.3782



46.1342, 0.3201, 0.3821

Sweetspot

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



46.1360, 0.2612, 0.2797



87.0858, 0.2971, 0.3152



62.4760, 0.2858, 0.3717



18.2726, 0.2949, 0.3132



0.0000, 0.0000, 0.0000



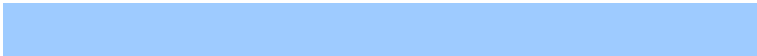
21.4041, 0.3127, 0.3290

Same Dimension

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



46.1360, 0.2612, 0.2797



57.2951, 0.2507, 0.2681



34.2077, 0.2576, 0.2353



14.2891, 0.2981, 0.3161



9.1448, 0.1742, 0.1470



0.8118, 0.1823, 0.1761

Inverse Universe

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



41.1156, 0.3519, 0.2903



50.0681, 0.3627, 0.2825



69.6195, 0.3590, 0.4090



13.8061, 0.3219, 0.3181



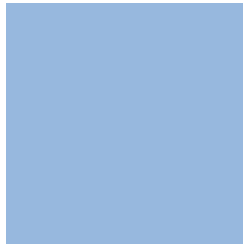
9.8312, 0.5099, 0.2582



0.6994, 0.4732, 0.2381

Previews

White Background



This preview shows how the Yxy color 46.1342, 0.2612, 0.2797 looks on a white background.

Color Contrast Check

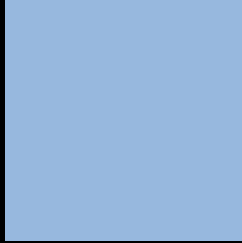
Large Text (above 18pt) WCAG AA × Fail

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 46.1342, 0.2612, 0.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

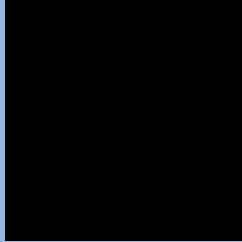
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

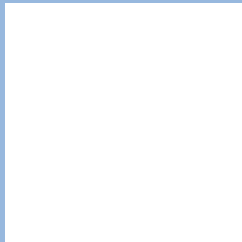
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1342, 0.2612, 0.2797

Background



This preview shows how black text looks on a background with the Yxy color 46.1342, 0.2612, 0.2797.



This preview shows how white text looks on a background with the Yxy color 46.1342, 0.2612, 0.2797.

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

46.1342, 0.2612, 0.2797

Protanopia

46.0728, 0.2781, 0.2798

Deuteranopia

46.0021, 0.2775, 0.2719



Tritanopia

46.0080, 0.2714, 0.3086

Trichromacy



Original Color

46.1342, 0.2612, 0.2797

Protanomaly

46.0547, 0.2717, 0.2804

Deuteranomaly

46.1857, 0.2712, 0.2748

Tritanomaly

46.0172, 0.2675, 0.2982

Monochromacy



Original Color

46.1342, 0.2612, 0.2797

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.8624, 0.2920, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1342, 0.2612, 0.2797 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(151, 184, 222)` looks like.

```
.text, #text, p{  
    color:rgb(151, 184, 222)  
}
```

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(151, 184, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 184, 222) }
```

Border

The CSS property to change the border of an element to Yxy 46.1342, 0.2612, 0.2797 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(151, 184, 222) }
```

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

```
.border{ border-color:rgb(151, 184, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 184, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 184, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 184, 222);  
box-shadow:4px 4px 4px 4px rgb(151, 184,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1342, 0.2612, 0.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 184, 222) }
```

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

```
.background{ background-color: rgb(151,  
184, 222) }
```

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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