

Converting Colors

$Y_{xy}(51.1058, 0.2612, 0.2741)$

Have a look what the booklet for
Yxy(51.1058, 0.2612, 0.2741)
contains.

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Color

Yxy(50.9991, 0.2612, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	A2BFEC
RGB	162, 191, 236
RGB Percent	64%, 75%, 93%
CMY	0.3648, 0.2509, 0.0744
CMYK	0.31, 0.19, 0.00, 0.07
HSL	216°, 66%, 78%
HSV	216°, 31%, 93%
XYZ	48.6699, 50.9991, 86.6631
YIQ	187.4590, -31.7290, 7.8470

Conversions

Conversions Part 2

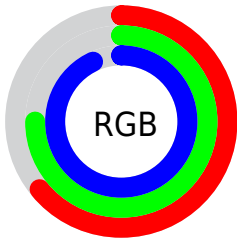
Format	Color
R _Y B	162, 183, 236
Decimal	10665964
CIE Lab	76.68, 0.54, -25.56
CIE LCh	77, 25.563, 271.210
Yxy	50.9991, 0.2612, 0.2737
Android (android.graphics.Color)	4288856044 (0xFFA2BFEC)
YUV	187.4590, 23.9307, -22.3275
Hunter-Lab	71.4137, -3.3223, -21.9610

Details

The Yxy color **50.9991, 0.2612, 0.2737** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.0700, 0.3690, 0.3786**, and the grayscale version is **49.8408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6470, 0.2903, 0.3208**, and **24.6604, 0.2478, 0.2599** is the 20% darker color. If you saturate the color by 10%, you get **42.8021, 0.2437, 0.2524**, and if you desaturate by 10%, it is **60.2772, 0.2784, 0.2933**.

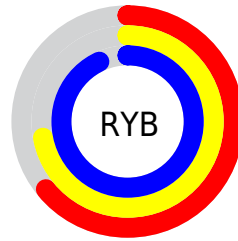
Distribution



Red (64%)

Green (75%)

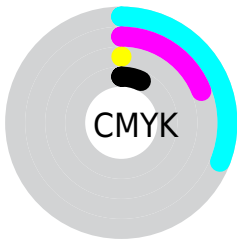
Blue (93%)



Red (64%)

Yellow (72%)

Blue (93%)

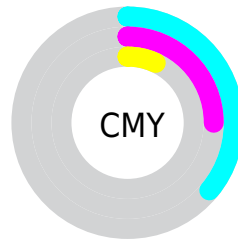


Cyan (31%)

Magenta (19%)

Yellow (0%)

Black (7%)



Cyan (36%)

Magenta (25%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9991, 0.2612, 0.2737 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 50.9991, 0.2612, 0.2737 by changing the saturation by 10% instead.

■ 50.9991, 0.2612,
0.2737

■ 50.9991, 0.2612,
0.2737

■ 390.5603, 0.2862,
0.3004

■ 36.2079, 0.2553,
0.2673

■ 91.6534, 0.2701,
0.2832

■ 24.5948, 0.2478,
0.2594

■ 118.2854, 0.2734,
0.2868

■ 15.7754, 0.2382,
0.2491

■ 149.6330, 0.2763,
0.2899

■ 9.3654, 0.2253,
0.2354

■ 186.0807, 0.2788,
0.2926

■ 4.9803, 0.2075,
0.2164

■ 228.0129, 0.2810,
0.2949

■ 2.2357, 0.1812,
0.1885

■ 275.8139, 0.2829,

■ 0.7393, 0.1394,

0.2970

0.1440

329.8683, 0.2846,
0.2988

0.0000, 0.0000,
0.0000

50.9991, 0.2612,
0.2737

50.9991, 0.2612,
0.2737

42.8021, 0.2437,
0.2524

60.2772, 0.2784,
0.2933

35.6366, 0.2265,
0.2296

70.6712, 0.2950,
0.3111

29.4577, 0.2102,
0.2060

82.2215, 0.3106,
0.3270

24.2141, 0.1954,
0.1822

94.7021, 0.3244,
0.3410

19.8487, 0.1830,
0.1592

98.8383, 0.3238,
0.3473

■ 16.2961, 0.1733,
0.1378

■ 13.8075, 0.1670,
0.1213

Harmonies

Analogous

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



50.9991, 0.2487, 0.2874



50.9991, 0.2612, 0.2737



50.9991, 0.2873, 0.2741

Triad

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



50.9991, 0.2612, 0.2737



50.9991, 0.3774, 0.3384



50.9991, 0.3010, 0.3766

Complementary

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



50.9991, 0.2612, 0.2737



65.0700, 0.3690, 0.3786

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.



50.9991, 0.3356, 0.3907



50.9991, 0.2612, 0.2737



50.9991, 0.3809, 0.3659

Square

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



50.9991, 0.2612, 0.2737



50.9991, 0.3552, 0.3103



50.9991, 0.3652, 0.3858



50.9991, 0.2707, 0.3473

Rectangle

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



50.9991, 0.2612, 0.2737



50.9991, 0.3098, 0.2817



50.9991, 0.3652, 0.3858



50.9991, 0.3125, 0.3834

Sweetspot

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



51.0011, 0.2612, 0.2737



87.3233, 0.2987, 0.3150



72.1663, 0.2835, 0.3647



18.2751, 0.2964, 0.3126



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.



51.0011, 0.2612, 0.2737



54.0209, 0.2494, 0.2594



40.3632, 0.2622, 0.2379



15.5177, 0.2980, 0.3143



7.8430, 0.1679, 0.1242



0.7983, 0.1755, 0.1517

Inverse Universe

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



47.4298, 0.3562, 0.2968



49.7376, 0.3695, 0.2896



79.2171, 0.3546, 0.4088



15.1519, 0.3231, 0.3198



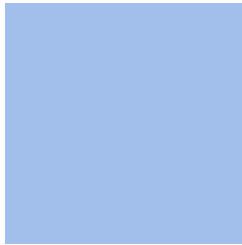
10.2846, 0.5407, 0.2752



0.8260, 0.5037, 0.2548

Previews

White Background



This preview shows how the Yxy color 50.9991, 0.2612, 0.2737 looks on a white background.

Color Contrast Check

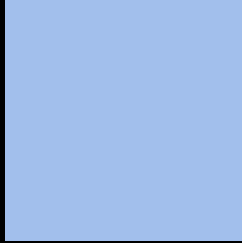
Large Text (above 18pt) WCAG AA × Fail

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 50.9991, 0.2612, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

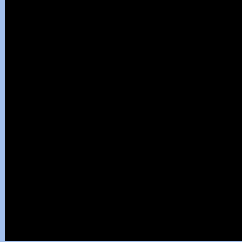
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

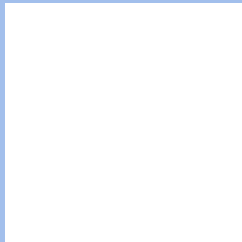
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9991, 0.2612, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 50.9991, 0.2612, 0.2737.



This preview shows how white text looks on a background with the Yxy color 50.9991, 0.2612, 0.2737.

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

50.9991, 0.2612, 0.2737

Protanopia

50.8888, 0.2734, 0.2737

Deuteranopia

50.7574, 0.2735, 0.2673



Tritanopia

50.8013, 0.2729, 0.3082

Trichromacy



Original Color

50.9991, 0.2612, 0.2737

Protanomaly

50.6776, 0.2687, 0.2732

Deuteranomaly

50.7690, 0.2688, 0.2690

Tritanomaly

51.0200, 0.2685, 0.2959

Monochromacy



Original Color

50.9991, 0.2612, 0.2737

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.8392, 0.2922, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9991, 0.2612, 0.2737 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(162, 191, 236)` looks like.

```
.text, #text, p{  
    color:rgb(162, 191, 236)  
}
```

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(162, 191, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 191, 236) }
```

Border

The CSS property to change the border of an element to Yxy 50.9991, 0.2612, 0.2737 is called "border". The border property can be set on classes, ids or directly on the HTML element.

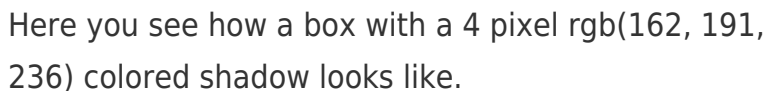
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 191, 236) }
```

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

```
.border{ border-color:rgb(162, 191, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(162, 191, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 191, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 191, 236); box-shadow:4px 4px 4px 4px rgb(162, 191, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9991, 0.2612, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 191, 236) }
```

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

```
.background{ background-color: rgb(162,  
191, 236) }
```

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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