

Converting Colors

$Y_{xy}(52.7101, 0.2560, 0.2718)$

Have a look what the booklet for
Yxy(52.7101, 0.2560, 0.2718)
contains.

Yxy(52.7101, 0.2560, 0.2718)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.7101, 0.2560, 0.2718)

Conversions

Conversions Part 1

Format	Color
Hex	9EC3F2
RGB	158, 195, 242
RGB Percent	62%, 76%, 95%
CMY	0.3803, 0.2353, 0.0509
CMYK	0.35, 0.19, 0.00, 0.05
HSL	214°, 76%, 78%
HSV	214°, 35%, 95%
XYZ	49.6460, 52.7101, 91.5736
YIQ	189.2950, -37.1390, 6.7730

Conversions

Conversions Part 2

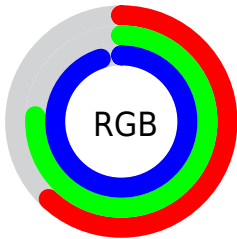
Format	Color
R _Y B	158, 184, 242
Decimal	10404850
CIE Lab	77.70, -1.22, -27.23
CIE LCh	78, 27.254, 267.430
Yxy	52.7101, 0.2560, 0.2718
Android (android.graphics.Color)	4288594930 (0xFF9EC3F2)
YUV	189.2950, 25.9836, -27.4457
Hunter-Lab	72.6017, -4.9924, -23.9621

Details

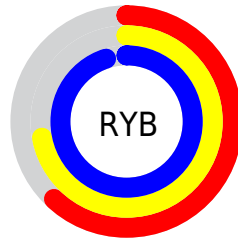
The Yxy color **52.7101, 0.2560, 0.2718** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.0269, 0.3776, 0.3799**, and the grayscale version is **50.9336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6614, 0.2887, 0.3248**, and **25.5380, 0.2416, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **44.6971, 0.2391, 0.2517**, and if you desaturate by 10%, it is **61.7612, 0.2730, 0.2904**.

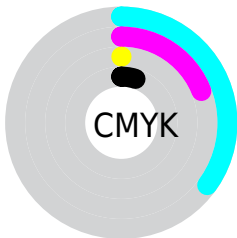
Distribution



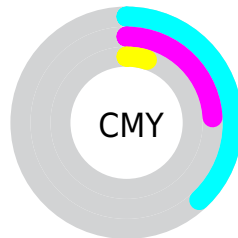
- Red (62%)
- Green (76%)
- Blue (95%)



- Red (62%)
- Yellow (72%)
- Blue (95%)



- Cyan (35%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)



- Cyan (38%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7101, 0.2560, 0.2718 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 52.7101, 0.2560, 0.2718 by changing the saturation by 10% instead.

■ 52.7101, 0.2560,
0.2718

■ 52.7101, 0.2560,
0.2718

■ 397.1719, 0.2832,
0.2994

■ 37.5714, 0.2496,
0.2653

■ 94.1776, 0.2656,
0.2815

■ 25.6502, 0.2416,
0.2571

■ 121.2753, 0.2693,
0.2853

■ 16.5621, 0.2314,
0.2467

■ 153.1280, 0.2725,
0.2885

■ 9.9228, 0.2178,
0.2328

■ 190.1202, 0.2752,
0.2912

■ 5.3478, 0.1992,
0.2137

■ 232.6363, 0.2776,
0.2937

■ 2.4527, 0.1724,
0.1860

■ 281.0607, 0.2797,

■ 0.8528, 0.1316,

0.2958

0.1438

335.7778, 0.2815,
0.2977

0.0000, 0.0000,
0.0000

52.7101, 0.2560,
0.2718

52.7101, 0.2560,
0.2718

44.6971, 0.2391,
0.2517

61.7612, 0.2730,
0.2904

37.6729, 0.2227,
0.2305

71.8844, 0.2896,
0.3073

31.5929, 0.2075,
0.2086

83.1195, 0.3055,
0.3224

26.4058, 0.1940,
0.1866

95.5024, 0.3206,
0.3359

22.0536, 0.1830,
0.1652

99.1918, 0.3203,
0.3415

■ 18.4681, 0.1746,
0.1454

■ 16.8349, 0.1710,
0.1355

Harmonies

Analogous

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



52.7101, 0.2449, 0.2879



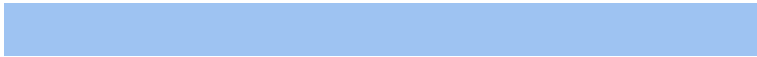
52.7101, 0.2560, 0.2718



52.7101, 0.2818, 0.2705

Triad

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



52.7101, 0.2560, 0.2718



52.7101, 0.3790, 0.3349



52.7101, 0.3048, 0.3823

Complementary

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



52.7101, 0.2560, 0.2718



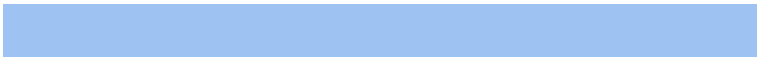
65.0269, 0.3776, 0.3799

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.



52.7101, 0.3412, 0.3947



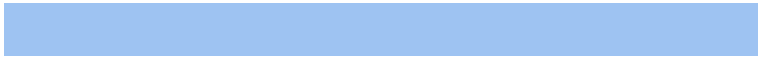
52.7101, 0.2560, 0.2718



52.7101, 0.3853, 0.3643

Square

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



52.7101, 0.2560, 0.2718



52.7101, 0.3535, 0.3058



52.7101, 0.3710, 0.3868



52.7101, 0.2719, 0.3527

Rectangle

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



52.7101, 0.2560, 0.2718



52.7101, 0.3049, 0.2774



52.7101, 0.3710, 0.3868



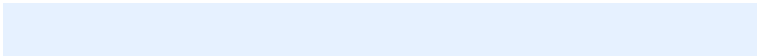
52.7101, 0.3171, 0.3887

Sweetspot

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



52.7121, 0.2560, 0.2718



86.7096, 0.2971, 0.3146



75.1544, 0.2829, 0.3744



18.1818, 0.2949, 0.3124



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.



52.7121, 0.2560, 0.2718



52.5613, 0.2434, 0.2571



38.5743, 0.2527, 0.2256



16.3740, 0.2980, 0.3154



9.3045, 0.1718, 0.1385



0.9690, 0.1789, 0.1639

Inverse Universe

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



47.2788, 0.3587, 0.2889



46.3511, 0.3729, 0.2803



84.1283, 0.3620, 0.4165



15.8745, 0.3224, 0.3186



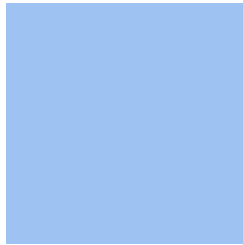
10.7326, 0.5210, 0.2644



0.9125, 0.4882, 0.2463

Previews

White Background



This preview shows how the Yxy color 52.7101, 0.2560, 0.2718 looks on a white background.

Color Contrast Check

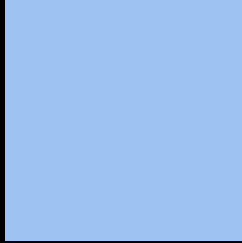
Large Text (above 18pt) WCAG AA × Fail

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 52.7101, 0.2560, 0.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

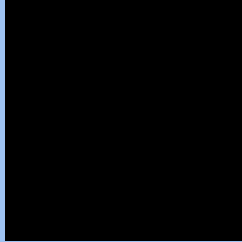
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

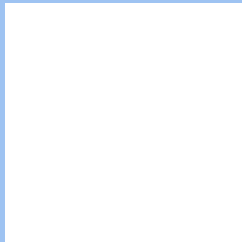
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7101, 0.2560, 0.2718

Background



This preview shows how black text looks on a background with the Yxy color 52.7101, 0.2560, 0.2718.



This preview shows how white text looks on a background with the Yxy color 52.7101, 0.2560, 0.2718.

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

52.7101, 0.2560, 0.2718

Protanopia

52.7033, 0.2720, 0.2721

Deuteranopia

52.5654, 0.2701, 0.2637



Tritanopia

52.9418, 0.2679, 0.3083

Trichromacy



Original Color

52.7101, 0.2560, 0.2718

Protanomaly

52.7019, 0.2662, 0.2727

Deuteranomaly

52.7313, 0.2650, 0.2674

Tritanomaly

52.6944, 0.2636, 0.2948

Monochromacy



Original Color

52.7101, 0.2560, 0.2718

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.2806, 0.2902, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7101, 0.2560, 0.2718 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(158, 195, 242)` looks like.

```
.text, #text, p{  
    color:rgb(158, 195, 242)  
}
```

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(158, 195, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 195, 242) }
```

Border

The CSS property to change the border of an element to Yxy 52.7101, 0.2560, 0.2718 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(158, 195, 242) }
```

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

```
.border{ border-color:rgb(158, 195, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 195, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 195, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 195, 242);  
box-shadow:4px 4px 4px 4px rgb(158, 195,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7101, 0.2560, 0.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 195, 242) }
```

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

```
.background{ background-color: rgb(158,  
195, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor