

Converting Colors

$Y_{xy}(60.5205, 0.2570, 0.2813)$

Have a look what the booklet for
Yxy(60.5205, 0.2570, 0.2813)
contains.

Yxy(60.2896, 0.2570, 0.2809)	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(60.2896, 0.2570, 0.2809)

Conversions

Conversions Part 1

Format	Color
Hex	A3D1FA
RGB	163, 209, 250
RGB Percent	64%, 82%, 98%
CMY	0.3608, 0.1804, 0.0196
CMYK	0.35, 0.16, 0.00, 0.02
HSL	208°, 90%, 81%
HSV	208°, 35%, 98%
XYZ	55.1599, 60.2896, 99.1806
YIQ	199.9200, -40.5770, 2.9990

Conversions

Conversions Part 2

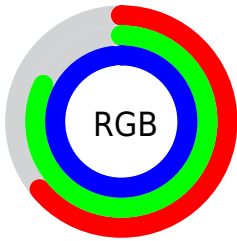
Format	Color
R _Y B	163, 193, 250
Decimal	10736122
CIE Lab	82.00, -5.33, -24.92
CIE LCh	82, 25.481, 257.917
Yxy	60.2896, 0.2570, 0.2809
Android (android.graphics.Color)	4288926202 (0xFFA3D1FA)
YUV	199.9200, 24.6894, -32.3788
Hunter-Lab	77.6464, -9.0749, -21.3808

Details

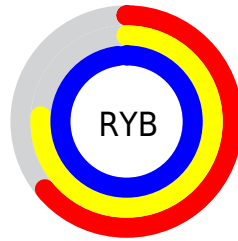
The Yxy color **60.2896, 0.2570, 0.2809** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1568, 0.3807, 0.3724**, and the grayscale version is **57.5719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **30.4811, 0.2439, 0.2700** is the 20% darker color. If you saturate the color by 10%, you get **52.3392, 0.2410, 0.2642**, and if you desaturate by 10%, it is **69.1939, 0.2733, 0.2964**.

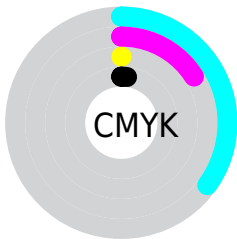
Distribution



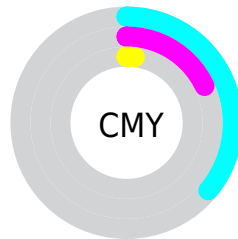
- Red (64%)
- Green (82%)
- Blue (98%)



- Red (64%)
- Yellow (76%)
- Blue (98%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (36%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2896, 0.2570, 0.2809 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 60.2896, 0.2570, 0.2809 by changing the saturation by 10% instead.

■ 60.2896, 0.2570,
0.2809

■ 60.2896, 0.2570,
0.2809

425.6644, 0.2831,
0.3038

■ 43.6521, 0.2510,
0.2755

■ 105.2497, 0.2661,
0.2890

■ 30.3971, 0.2436,
0.2689

■ 134.3410, 0.2696,
0.2921

■ 20.1402, 0.2342,
0.2604

168.3524, 0.2726,
0.2947

■ 12.4970, 0.2220,
0.2492

207.6683, 0.2753,
0.2970

■ 7.0831, 0.2055,
0.2338

252.6731, 0.2776,
0.2990

■ 3.5141, 0.1822,
0.2117

303.7511, 0.2796,

■ 1.4057, 0.1475,

0.3008

0.1778

361.2867, 0.2815,
0.3024

0.2209, 0.0297,
0.0823

0.0000, 0.0000,
0.0000

60.2896, 0.2570,
0.2809

60.2896, 0.2570,
0.2809

52.3392, 0.2410,
0.2642

69.1939, 0.2733,
0.2964

45.2957, 0.2258,
0.2464

79.0822, 0.2895,
0.3106

39.1176, 0.2119,
0.2280

89.9920, 0.3053,
0.3234

33.7566, 0.1997,
0.2094

99.6828, 0.3156,
0.3338

■ 29.1577, 0.1898,
0.1910

■ 25.2553, 0.1822,
0.1733

■ 23.4576, 0.1790,
0.1645

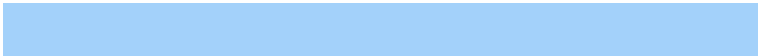
Harmonies

Analogous

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



60.2896, 0.2517, 0.2997



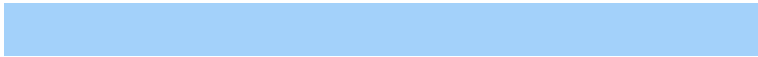
60.2896, 0.2570, 0.2809



60.2896, 0.2765, 0.2753

Triad

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



60.2896, 0.2570, 0.2809



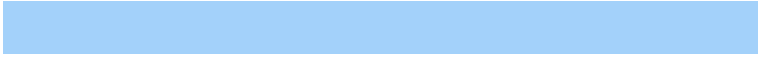
60.2896, 0.3663, 0.3260



60.2896, 0.3163, 0.3818

Complementary

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



60.2896, 0.2570, 0.2809



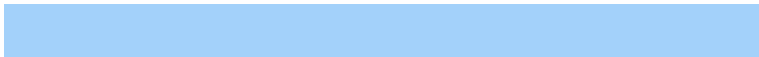
66.1568, 0.3807, 0.3724

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.



60.2896, 0.3479, 0.3872



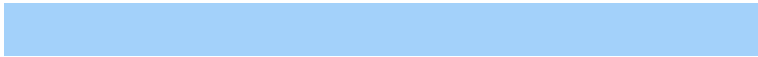
60.2896, 0.2570, 0.2809



60.2896, 0.3778, 0.3530

Square

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



60.2896, 0.2570, 0.2809



60.2896, 0.3396, 0.3008



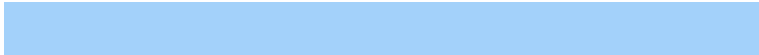
60.2896, 0.3708, 0.3757



60.2896, 0.2848, 0.3596

Rectangle

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



60.2896, 0.2570, 0.2809



60.2896, 0.2957, 0.2789



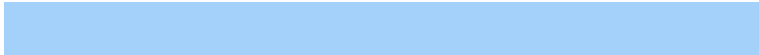
60.2896, 0.3708, 0.3757



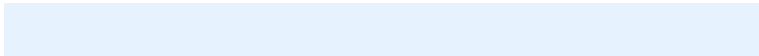
60.2896, 0.3272, 0.3856

Sweetspot

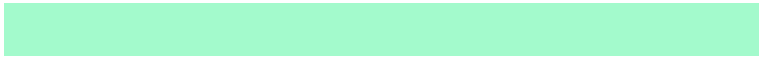
The Sweet Spot groups the original color and five complimentary colors.



60.2920, 0.2570, 0.2809



88.0514, 0.2971, 0.3169



80.5048, 0.2865, 0.3835



18.5060, 0.2949, 0.3151



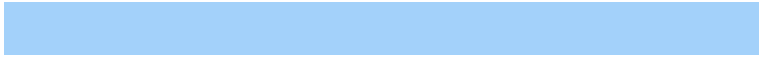
0.0000, 0.0000, 0.0000



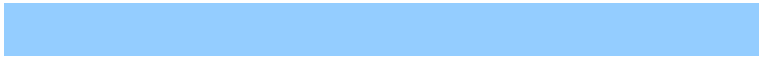
21.4041, 0.3127, 0.3290

Same Dimension

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



60.2920, 0.2570, 0.2809



56.9441, 0.2454, 0.2689



41.9232, 0.2498, 0.2278



18.1624, 0.2980, 0.3175



12.7322, 0.1798, 0.1672



1.3916, 0.1855, 0.1879

Inverse Universe

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



51.1223, 0.3519, 0.2809



46.7935, 0.3634, 0.2709



89.5596, 0.3662, 0.4134



17.3786, 0.3211, 0.3165



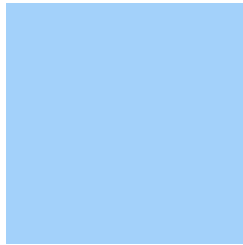
11.6962, 0.4840, 0.2440



1.1047, 0.4592, 0.2303

Previews

White Background



This preview shows how the Yxy color 60.2896, 0.2570, 0.2809 looks on a white background.

Color Contrast Check

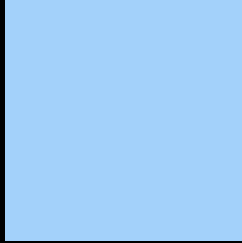
Large Text (above 18pt) WCAG AA × Fail

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 60.2896, 0.2570, 0.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

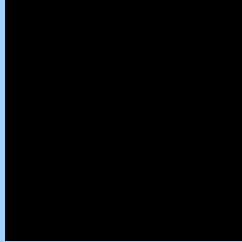
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

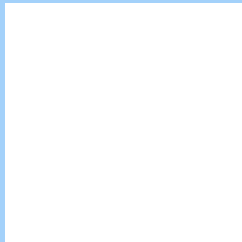
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.2896, 0.2570, 0.2809

Background



This preview shows how black text looks on a background with the Yxy color 60.2896, 0.2570, 0.2809.



This preview shows how white text looks on a background with the Yxy color 60.2896, 0.2570, 0.2809.

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

60.2896, 0.2570, 0.2809

Protanopia

59.8352, 0.2783, 0.2793

Deuteranopia

59.8809, 0.2766, 0.2702



Tritanopia

60.5708, 0.2655, 0.3082

Trichromacy



Original Color

60.2896, 0.2570, 0.2809

Protanomaly

59.9684, 0.2701, 0.2797

Deuteranomaly

59.9912, 0.2690, 0.2745

Tritanomaly

60.6750, 0.2627, 0.2989

Monochromacy



Original Color

60.2896, 0.2570, 0.2809

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.3386, 0.2906, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2896, 0.2570, 0.2809 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(163, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(163, 209, 250)  
}
```

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(163, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 209, 250) }
```

Border

The CSS property to change the border of an element to Yxy 60.2896, 0.2570, 0.2809 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(163, 209, 250) }
```

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

```
.border{ border-color:rgb(163, 209, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 209, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 209, 250);  
box-shadow:4px 4px 4px 4px rgb(163, 209,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2896, 0.2570, 0.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 209, 250) }
```

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

```
.background{ background-color: rgb(163,  
209, 250) }
```

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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