

Converting Colors

$Y_{xy}(52.6252, 0.2659, 0.2744)$

Have a look what the booklet for
Yxy(52.6252, 0.2659, 0.2744)
contains.

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Color

Yxy(52.4184, 0.2654, 0.2736)

Conversions

Conversions Part 1

Format	Color
Hex	AAC0EE
RGB	170, 192, 238
RGB Percent	67%, 75%, 93%
CMY	0.3336, 0.2470, 0.0667
CMYK	0.29, 0.19, 0.00, 0.07
HSL	221°, 67%, 80%
HSV	221°, 29%, 93%
XYZ	50.8474, 52.4184, 88.3219
YIQ	190.6660, -27.8780, 9.6420

Conversions

Conversions Part 2

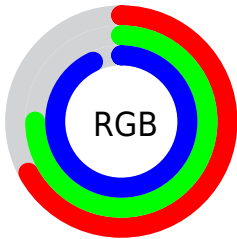
Format	Color
R_{YB}	170, 187, 238
Decimal	11190510
CIE Lab	77.53, 2.75, -25.26
CIE LCh	78, 25.413, 276.205
Yxy	52.4184, 0.2654, 0.2736
Android (android.graphics.Color)	4289380590 (0xFFAAC0EE)
YUV	190.6660, 23.3357, -18.1241
Hunter-Lab	72.4006, -1.3393, -21.6479

Details

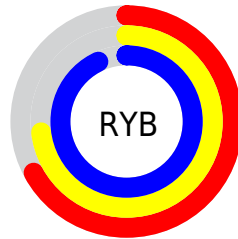
The Yxy color **52.4184, 0.2654, 0.2736** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.1373, 0.3620, 0.3788**, and the grayscale version is **51.7661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5236, 0.2951, 0.3219**, and **25.5556, 0.2531, 0.2599** is the 20% darker color. If you saturate the color by 10%, you get **43.3263, 0.2473, 0.2502**, and if you desaturate by 10%, it is **62.7657, 0.2829, 0.2950**.

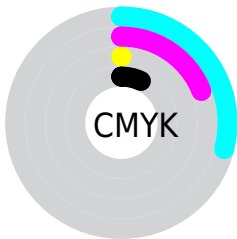
Distribution



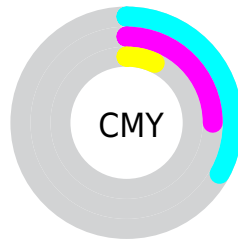
- Red (67%)
- Green (75%)
- Blue (93%)



- Red (67%)
- Yellow (73%)
- Blue (93%)



- Cyan (29%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4184, 0.2654, 0.2736 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 52.4184, 0.2654, 0.2736 by changing the saturation by 10% instead.

■ 52.4184, 0.2654,
0.2736

■ 52.4184, 0.2654,
0.2736

396.0497, 0.2883,
0.3002

■ 37.3387, 0.2600,
0.2673

■ 93.7480, 0.2735,
0.2830

■ 25.4698, 0.2531,
0.2595

120.7667, 0.2766,
0.2866

■ 16.4274, 0.2443,
0.2495

152.5338, 0.2793,
0.2897

■ 9.8271, 0.2325,
0.2361

189.4337, 0.2816,
0.2923

■ 5.2845, 0.2162,
0.2177

231.8509, 0.2836,
0.2947

■ 2.4151, 0.1920,
0.1910

280.1697, 0.2853,

■ 0.8337, 0.1541,

0.2967

0.1495

334.7745, 0.2869,
0.2985

0.0000, 0.0000,
0.0000

52.4184, 0.2654,
0.2736

52.4184, 0.2654,
0.2736

43.3263, 0.2473,
0.2502

62.7657, 0.2829,
0.2950

35.4326, 0.2292,
0.2252

74.4095, 0.2994,
0.3142

28.6851, 0.2116,
0.1992

87.3968, 0.3148,
0.3313

23.0246, 0.1955,
0.1731

98.9527, 0.3226,
0.3454

18.3863, 0.1816,
0.1481

■ 14.6963, 0.1706,
0.1252

■ 11.8590, 0.1629,
0.1055

■ 11.5156, 0.1620,
0.1030

Harmonies

Analogous

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



52.4184, 0.2506, 0.2848



52.4184, 0.2654, 0.2736



52.4184, 0.2930, 0.2763

Triad

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



52.4184, 0.2654, 0.2736



52.4184, 0.3784, 0.3430



52.4184, 0.2957, 0.3718

Complementary

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



52.4184, 0.2654, 0.2736



70.1373, 0.3620, 0.3788

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.



52.4184, 0.3298, 0.3888



52.4184, 0.2654, 0.2736



52.4184, 0.3785, 0.3694

Square

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



52.4184, 0.2654, 0.2736



52.4184, 0.3593, 0.3150



52.4184, 0.3603, 0.3870



52.4184, 0.2673, 0.3415

Rectangle

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



52.4184, 0.2654, 0.2736



52.4184, 0.3157, 0.2850



52.4184, 0.3603, 0.3870



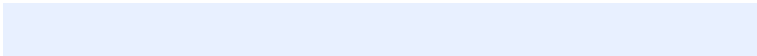
52.4184, 0.3069, 0.3794

Sweetspot

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



52.4205, 0.2654, 0.2736



86.4100, 0.2987, 0.3134



74.6065, 0.2833, 0.3556



18.0510, 0.2964, 0.3107



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.



52.4205, 0.2654, 0.2736



55.2573, 0.2555, 0.2609



44.7529, 0.2708, 0.2478



16.0665, 0.2980, 0.3126



6.6333, 0.1627, 0.1058



0.7259, 0.1700, 0.1318

Inverse Universe

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



50.7063, 0.3554, 0.3047



53.3818, 0.3668, 0.2998



80.3199, 0.3477, 0.4025



15.8434, 0.3242, 0.3214



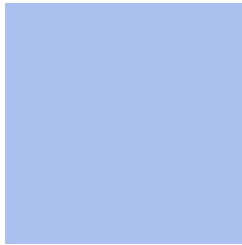
10.4630, 0.5672, 0.2898



0.8880, 0.5302, 0.2694

Previews

White Background



This preview shows how the Yxy color 52.4184, 0.2654, 0.2736 looks on a white background.

Color Contrast Check

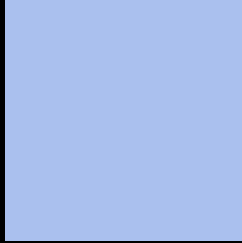
Large Text (above 18pt) WCAG AA × Fail

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 52.4184, 0.2654, 0.2736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

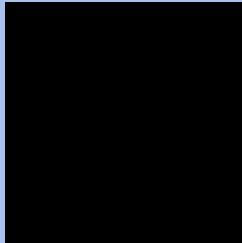
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

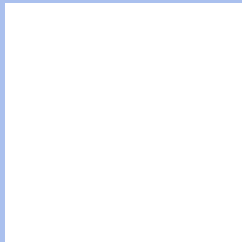
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.4184, 0.2654, 0.2736

Background



This preview shows how black text looks on a background with the Yxy color 52.4184, 0.2654, 0.2736.



This preview shows how white text looks on a background with the Yxy color 52.4184, 0.2654, 0.2736.

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

52.4184, 0.2654, 0.2736

Protanopia

52.1546, 0.2731, 0.2731

Deuteranopia

52.0869, 0.2745, 0.2680



Tritanopia

52.5785, 0.2779, 0.3099

Trichromacy



Original Color

52.4184, 0.2654, 0.2736

Protanomaly

52.1714, 0.2698, 0.2728

Deuteranomaly

52.3305, 0.2712, 0.2699

Tritanomaly

52.3577, 0.2734, 0.2964

Monochromacy



Original Color

52.4184, 0.2654, 0.2736

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.8829, 0.2940, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4184, 0.2654, 0.2736 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(170, 192, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 192, 238)  
}
```

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(170, 192, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 192, 238) }
```

Border

The CSS property to change the border of an element to Yxy 52.4184, 0.2654, 0.2736 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(170, 192, 238) }
```

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

```
.border{ border-color:rgb(170, 192, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 192, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 192, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 192, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 192,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4184, 0.2654, 0.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 192, 238) }
```

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

```
.background{ background-color: rgb(170,  
192, 238) }
```

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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