

Converting Colors

$Y_{xy}(52.6791, 0.2335, 0.2606)$

Have a look what the booklet for
Yxy(52.6791, 0.2335, 0.2606)
contains.

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Color

Yxy(52.5025, 0.2332, 0.2601)

Conversions

Conversions Part 1

Format	Color
Hex	7EC7FF
RGB	126, 199, 255
RGB Percent	49%, 78%, 100%
CMY	0.5061, 0.2196, 0.0000
CMYK	0.51, 0.22, 0.00, 0.00
HSL	206°, 100%, 75%
HSV	206°, 51%, 100%
XYZ	47.0726, 52.5025, 102.2800
YIQ	183.5570, -61.4840, 1.9400

Conversions

Conversions Part 2

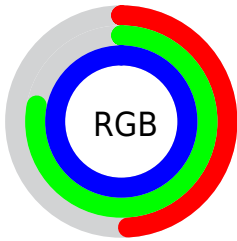
Format	Color
R _Y B	126, 173, 255
Decimal	8308735
CIE Lab	77.58, -7.77, -34.53
CIE LCh	78, 35.391, 257.314
Yxy	52.5025, 0.2332, 0.2601
Android (android.graphics.Color)	4286498815 (0xFF7EC7FF)
YUV	183.5570, 35.2214, -50.4775
Hunter-Lab	72.4586, -10.8404, -32.9706

Details

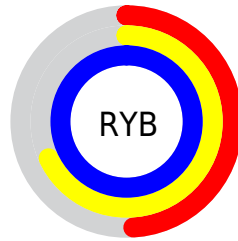
The Yxy color **52.5025, 0.2332, 0.2601** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.1883, 0.4250, 0.3869**, and the grayscale version is **47.4958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **25.4518, 0.2141, 0.2422** is the 20% darker color. If you saturate the color by 10%, you get **45.8993, 0.2192, 0.2435**, and if you desaturate by 10%, it is **59.9704, 0.2483, 0.2760**.

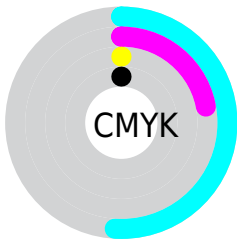
Distribution



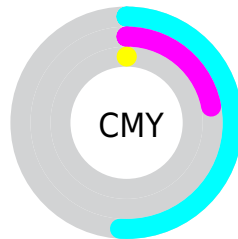
- Red (49%)
- Green (78%)
- Blue (100%)



- Red (49%)
- Yellow (68%)
- Blue (100%)



- Cyan (51%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5025, 0.2332, 0.2601 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 52.5025, 0.2332, 0.2601 by changing the saturation by 10% instead.


 52.5025, 0.2332,
0.2601


 52.5025, 0.2332,
0.2601

396.3735, 0.2707,
0.2934


 37.4058, 0.2246,
0.2523

 93.8719, 0.2463,
0.2719

 25.5218, 0.2139,
0.2425


 120.9134, 0.2514,
0.2764

 16.4663, 0.2005,
0.2300


 152.7052, 0.2557,
0.2803

 9.8547, 0.1832,
0.2137

189.6317, 0.2595,
0.2836

 5.3027, 0.1603,
0.1915

232.0775, 0.2629,
0.2865

 2.4259, 0.1292,
0.1604

280.4267, 0.2658,

 0.8392, 0.0841,

0.2891

0.1161

335.0639, 0.2684,
0.2914

0.0000, 0.0000,
0.0000

52.5025, 0.2332,
0.2601

52.5025, 0.2332,
0.2601

45.8993, 0.2192,
0.2435

59.9704, 0.2483,
0.2760

40.1134, 0.2068,
0.2264

68.3437, 0.2642,
0.2909

35.0933, 0.1965,
0.2093

77.6613, 0.2802,
0.3046

30.7780, 0.1884,
0.1925

87.9592, 0.2962,
0.3171

27.2828, 0.1826,
0.1774

99.2712, 0.3118,
0.3284

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



52.5025, 0.2262, 0.2861



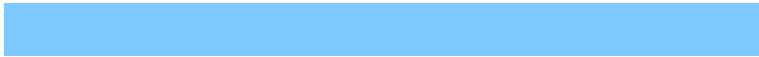
52.5025, 0.2332, 0.2601



52.5025, 0.2598, 0.2530

Triad

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



52.5025, 0.2332, 0.2601



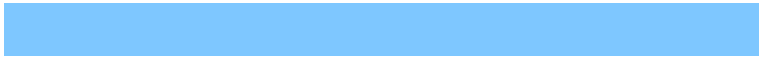
52.5025, 0.3904, 0.3227



52.5025, 0.3176, 0.4082

Complementary

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



52.5025, 0.2332, 0.2601



56.1883, 0.4250, 0.3869

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.



52.5025, 0.3634, 0.4139



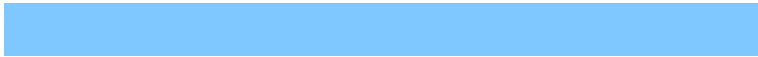
52.5025, 0.2332, 0.2601



52.5025, 0.4077, 0.3606

Square

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



52.5025, 0.2332, 0.2601



52.5025, 0.3504, 0.2882



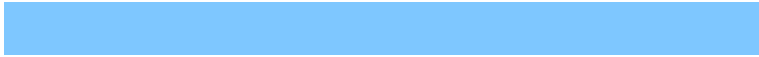
52.5025, 0.3970, 0.3944



52.5025, 0.2726, 0.3751

Rectangle

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



52.5025, 0.2332, 0.2601



52.5025, 0.2866, 0.2581



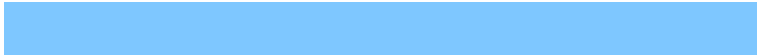
52.5025, 0.3970, 0.3944



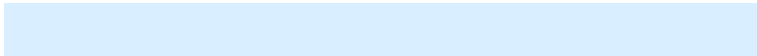
52.5025, 0.3335, 0.4133

Sweetspot

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



52.5029, 0.2332, 0.2601



83.3200, 0.2892, 0.3118



79.3223, 0.2796, 0.4201



17.3713, 0.2858, 0.3092



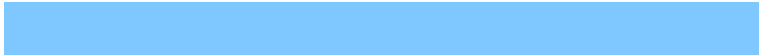
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



52.5029, 0.2332, 0.2601



45.6613, 0.2187, 0.2428



28.8498, 0.2170, 0.1776



19.0848, 0.2979, 0.3184



14.5584, 0.1834, 0.1801



1.6349, 0.1885, 0.1986

Inverse Universe

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



40.2887, 0.3734, 0.2550



33.8795, 0.3923, 0.2427



88.9171, 0.3909, 0.4451



18.1594, 0.3205, 0.3156



12.1976, 0.4684, 0.2354



1.2096, 0.4469, 0.2236

Previews

White Background



This preview shows how the Yxy color 52.5025, 0.2332, 0.2601 looks on a white background.

Color Contrast Check

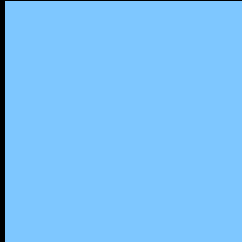
Large Text (above 18pt) WCAG AA × Fail

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 52.5025, 0.2332, 0.2601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

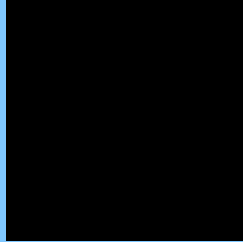
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

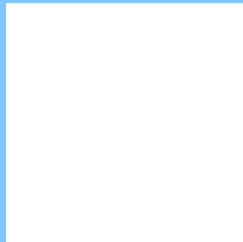
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5025, 0.2332, 0.2601

Background



This preview shows how black text looks on a background with the Yxy color 52.5025, 0.2332, 0.2601.

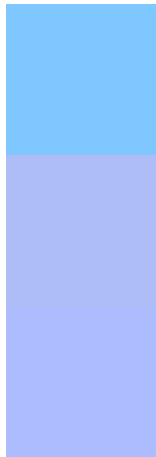


This preview shows how white text looks on a background with the Yxy color 52.5025, 0.2332, 0.2601.

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

52.5025, 0.2332, 0.2601

Protanopia

52.2246, 0.2631, 0.2609

Deuteranopia

52.0707, 0.2571, 0.2513



Tritanopia

52.5814, 0.2451, 0.3062

Trichromacy



Original Color

52.5025, 0.2332, 0.2601

Protanomaly

52.2102, 0.2508, 0.2606

Deuteranomaly

51.9872, 0.2474, 0.2541

Tritanomaly

52.5743, 0.2406, 0.2888

Monochromacy



Original Color

52.5025, 0.2332, 0.2601

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.8349, 0.2777, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5025, 0.2332, 0.2601 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(126, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 199, 255)  
}
```

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(126, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.5025, 0.2332, 0.2601 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(126, 199, 255) }
```

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

```
.border{ border-color:rgb(126, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5025, 0.2332, 0.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 199, 255) }
```

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

```
.background{ background-color: rgb(126,  
199, 255) }
```

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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