

Converting Colors

$Y_{xy}(62.3719, 0.2277, 0.2894)$

Have a look what the booklet for
Yxy(62.3719, 0.2277, 0.2894)
contains.

Yxy(62.3750, 0.2276, 0.2895)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.3750, 0.2276, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	5EDFFF
RGB	94, 223, 255
RGB Percent	37%, 87%, 100%
CMY	0.6320, 0.1254, 0.0001
CMYK	0.63, 0.13, 0.00, 0.00
HSL	192°, 100%, 68%
HSV	192°, 63%, 100%
XYZ	49.0382, 62.3750, 104.0445
YIQ	188.0770, -87.1560, -17.3960

Conversions

Conversions Part 2

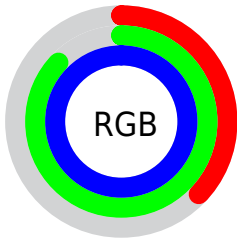
Format	Color
R_{YB}	94, 166, 255
Decimal	6217727
CIE _{Lab}	83.11, -26.19, -26.11
CIE _{LCh}	83, 36.978, 224.915
Yxy	62.3750, 0.2276, 0.2895
Android (android.graphics.Color)	4284407807 (0xFF5EDFFF)
YUV	188.0770, 32.9930, -82.5055
Hunter-Lab	78.9778, -27.3787, -22.8235

Details

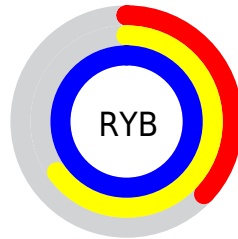
The Yxy color **62.3750, 0.2276, 0.2895** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.9316, 0.4939, 0.3599**, and the grayscale version is **50.1592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **32.0825, 0.2111, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **58.5850, 0.2193, 0.2822**, and if you desaturate by 10%, it is **66.6950, 0.2378, 0.2967**.

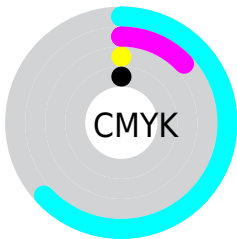
Distribution



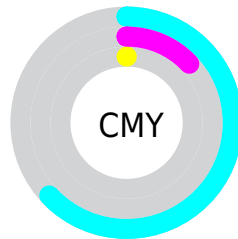
- Red (37%)
- Green (87%)
- Blue (100%)



- Red (37%)
- Yellow (65%)
- Blue (100%)



- Cyan (63%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.3750, 0.2276, 0.2895 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 62.3750, 0.2276, 0.2895 by changing the saturation by 10% instead.


 62.3750, 0.2276,
0.2895

 62.3750, 0.2276,
0.2895

433.2977, 0.2665,
0.3092

 45.3358, 0.2189,
0.2847


 108.2673, 0.2409,
0.2966

 31.7220, 0.2084,
0.2786

 137.8892, 0.2462,
0.2993

 21.1492, 0.1952,
0.2707


 172.4741, 0.2507,
0.3016

 13.2331, 0.1786,
0.2601

 212.4064, 0.2547,
0.3035

 7.5893, 0.1568,
0.2452

258.0706, 0.2582,
0.3053

 3.8333, 0.1279,
0.2233

309.8509, 0.2613,

 1.5807, 0.0885,

0.3068

0.1889

368.1318, 0.2640,
0.3081

■ 0.3446, 0.0000,
0.1094

■ 0.0000, 0.0000,
0.0000

■ 62.3750, 0.2276,
0.2895

■ 62.3750, 0.2276,
0.2895

■ 58.5850, 0.2193,
0.2822

■ 66.6950, 0.2378,
0.2967

■ 55.2716, 0.2129,
0.2749

■ 71.5785, 0.2497,
0.3036

■ 52.3807, 0.2085,
0.2676

■ 77.0635, 0.2630,
0.3102

■ 50.6005, 0.2063,
0.2627

■ 83.1827, 0.2773,
0.3164

■ 89.9662, 0.2923,
0.3222

■ 97.4418, 0.3077,
0.3274

■ 99.9987, 0.3127,
0.3290

Harmonies

Analogous

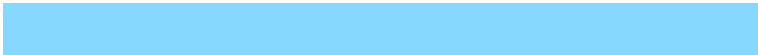
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.3750, 0.2428, 0.3320



62.3750, 0.2276, 0.2895



62.3750, 0.2329, 0.2624

Triad

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



62.3750, 0.2276, 0.2895



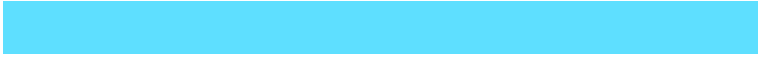
62.3750, 0.3462, 0.2863



62.3750, 0.3660, 0.4120

Complementary

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



62.3750, 0.2276, 0.2895



36.9316, 0.4939, 0.3599

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.



62.3750, 0.3977, 0.3914



62.3750, 0.2276, 0.2895



62.3750, 0.3869, 0.3199

Square

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



62.3750, 0.2276, 0.2895



62.3750, 0.2984, 0.2628



62.3750, 0.4060, 0.3574



62.3750, 0.3214, 0.4085

Rectangle

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



62.3750, 0.2276, 0.2895



62.3750, 0.2474, 0.2546



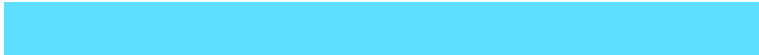
62.3750, 0.4060, 0.3574



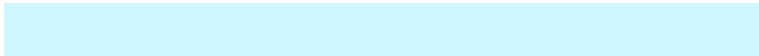
62.3750, 0.3786, 0.4073

Sweetspot

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



62.3773, 0.2276, 0.2895



85.9625, 0.2835, 0.3189



75.3180, 0.2923, 0.5009



17.9934, 0.2793, 0.3172



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

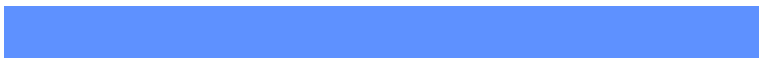
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.3773, 0.2276, 0.2895



57.6203, 0.2173, 0.2801



29.8004, 0.2032, 0.1849



19.8333, 0.2980, 0.3242



26.6603, 0.2067, 0.2639



2.7443, 0.2089, 0.2722

Inverse Universe

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



34.5622, 0.3516, 0.2076



29.6060, 0.3617, 0.1933



65.2246, 0.4328, 0.4355



18.2350, 0.3169, 0.3101



13.4193, 0.3786, 0.1859



1.3216, 0.3708, 0.1816

Previews

White Background



This preview shows how the Yxy color 62.3750, 0.2276, 0.2895 looks on a white background.

Color Contrast Check

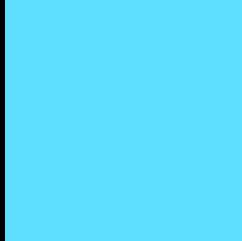
Large Text (above 18pt) WCAG AA × Fail

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 62.3750, 0.2276, 0.2895 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 62.3750, 0.2276, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 62.3750, 0.2276, 0.2895.

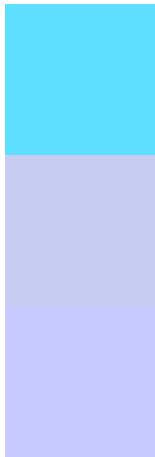


This preview shows how white text looks on a background with the Yxy color 62.3750, 0.2276, 0.2895.

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

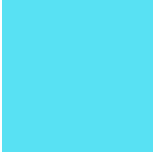
62.3750, 0.2276, 0.2895

Protanopia

61.6023, 0.2830, 0.2863

Deuteranopia

61.4668, 0.2750, 0.2707



Tritanopia

62.3962, 0.2312, 0.3060

Trichromacy



Original Color

62.3750, 0.2276, 0.2895

Protanomaly

60.7775, 0.2572, 0.2864

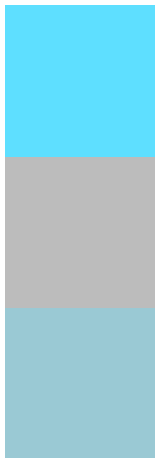
Deuteranomaly

60.7868, 0.2529, 0.2766

Tritanomaly

62.2004, 0.2299, 0.3000

Monochromacy



Original Color

62.3750, 0.2276, 0.2895

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

53.3968, 0.2717, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3750, 0.2276, 0.2895 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(94, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 223, 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(94, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.3750, 0.2276, 0.2895 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(94, 223, 255) }
```

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

```
.border{ border-color:rgb(94, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3750, 0.2276, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 223, 255) }
```

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

```
.background{ background-color: rgb(94, 223,  
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](#).

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