

Converting Colors

$Yxy(56.6813, 0.2171, 0.2791)$

Have a look what the booklet for
Yxy(56.6813, 0.2171, 0.2791)
contains.

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Color

Yxy(56.7487, 0.2170, 0.2792)

Conversions

Conversions Part 1

Format	Color
Hex	3DD7FE
RGB	61, 215, 254
RGB Percent	24%, 84%, 100%
CMY	0.7615, 0.1568, 0.0039
CMYK	0.76, 0.15, 0.00, 0.00
HSL	192°, 99%, 62%
HSV	192°, 76%, 100%
XYZ	44.1063, 56.7487, 102.3997
YIQ	173.4000, -104.3030, -20.5190

Conversions

Conversions Part 2

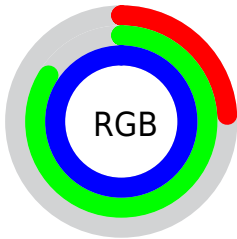
Format	Color
R _{YB}	61, 147, 254
Decimal	4052990
CIE Lab	80.04, -26.86, -30.37
CIE LCh	80, 40.538, 228.510
Yxy	56.7487, 0.2170, 0.2792
Android (android.graphics.Color)	4282243070 (0xFF3DD7FE)
YUV	173.4000, 39.7358, -98.5748
Hunter-Lab	75.3317, -27.3199, -27.8617

Details

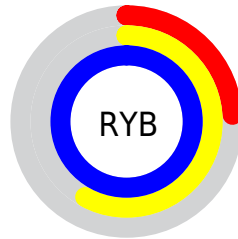
The Yxy color **56.7487, 0.2170, 0.2792** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.4863, 0.5469, 0.3605**, and the grayscale version is **41.8132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **29.1728, 0.2076, 0.2674** is the 20% darker color. If you saturate the color by 10%, you get **53.5584, 0.2112, 0.2717**, and if you desaturate by 10%, it is **60.4057, 0.2248, 0.2867**.

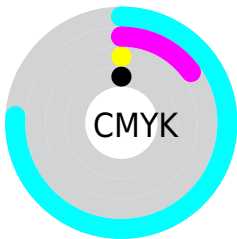
Distribution



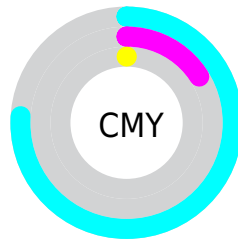
- Red (24%)
- Green (84%)
- Blue (100%)



- Red (24%)
- Yellow (58%)
- Blue (100%)



- Cyan (76%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (76%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7487, 0.2170, 0.2792 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 56.7487, 0.2170, 0.2792 by changing the saturation by 10% instead.


 56.7487, 0.2170,
0.2792

 56.7487, 0.2170,
0.2792


412.5070, 0.2611,
0.3043


 40.8035, 0.2071,
0.2731

 100.0984, 0.2322,
0.2883


 28.1656, 0.1951,
0.2653


 128.2717, 0.2381,
0.2917

 18.4505, 0.1802,
0.2552


 161.2899, 0.2433,
0.2946

 11.2739, 0.1612,
0.2416

 199.5373, 0.2477,
0.2971

 6.2514, 0.1368,
0.2226

243.3983, 0.2517,
0.2992

 2.9985, 0.1048,
0.1949

293.2573, 0.2552,

 1.1310, 0.0546,

0.3011

0.1542

349.4987, 0.2583,
0.3028

0.0042, 0.0000,
0.0016

0.0000, 0.0000,
0.0000

56.7487, 0.2170,
0.2792

56.7487, 0.2170,
0.2792

53.5584, 0.2112,
0.2717

60.4057, 0.2248,
0.2867

50.7688, 0.2072,
0.2644

64.5718, 0.2346,
0.2940

49.7441, 0.2060,
0.2615

69.2904, 0.2461,
0.3012

74.5983, 0.2590,
0.3080

■ 80.5285, 0.2731,
0.3144

■ 87.1117, 0.2880,
0.3204

■ 94.3760, 0.3033,
0.3259

■ 99.9362, 0.3133,
0.3299

Harmonies

Analogous

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



56.7487, 0.2309, 0.3255



56.7487, 0.2170, 0.2792



56.7487, 0.2256, 0.2518

Triad

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



56.7487, 0.2170, 0.2792



56.7487, 0.3568, 0.2851



56.7487, 0.3667, 0.4242

Complementary

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



56.7487, 0.2170, 0.2792



30.4863, 0.5469, 0.3605

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.



56.7487, 0.4053, 0.4024



56.7487, 0.2170, 0.2792



56.7487, 0.4009, 0.3231

Square

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



56.7487, 0.2170, 0.2792



56.7487, 0.3026, 0.2574



56.7487, 0.4188, 0.3649



56.7487, 0.3156, 0.4173

Rectangle

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



56.7487, 0.2170, 0.2792



56.7487, 0.2433, 0.2452



56.7487, 0.4188, 0.3649



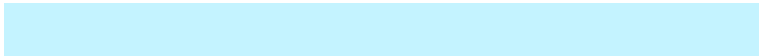
56.7487, 0.3817, 0.4195

Sweetspot

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



56.7507, 0.2170, 0.2792



83.2009, 0.2776, 0.3163



72.7843, 0.2908, 0.5340



17.3142, 0.2723, 0.3141



0.0000, 0.0000, 0.0000



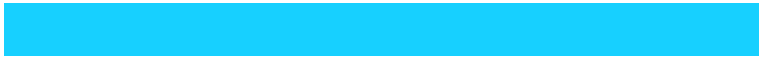
21.4041, 0.3127, 0.3290

Same Dimension

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



56.7507, 0.2170, 0.2792



52.5924, 0.2090, 0.2681



21.2837, 0.1830, 0.1477



19.8219, 0.2980, 0.3241



26.4398, 0.2063, 0.2627



2.7247, 0.2086, 0.2711

Inverse Universe

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



29.2978, 0.3625, 0.1938



26.4329, 0.3743, 0.1868



60.9104, 0.4543, 0.4502



18.2338, 0.3169, 0.3102



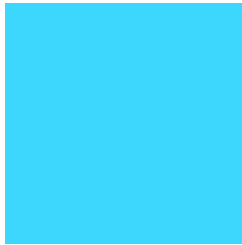
13.3971, 0.3798, 0.1866



1.3196, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 56.7487, 0.2170, 0.2792 looks on a white background.

Color Contrast Check

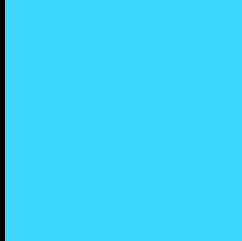
Large Text (above 18pt) WCAG AA × Fail

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 56.7487, 0.2170, 0.2792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

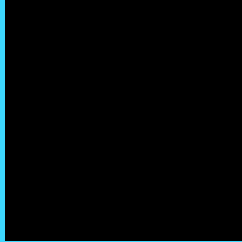
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7487, 0.2170, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 56.7487, 0.2170, 0.2792.



This preview shows how white text looks on a background with the Yxy color 56.7487, 0.2170, 0.2792.

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

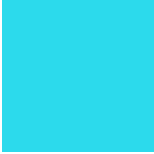
56.7487, 0.2170, 0.2792

Protanopia

55.8863, 0.2760, 0.2768

Deuteranopia

55.8709, 0.2643, 0.2597



Tritanopia

56.7344, 0.2216, 0.3048

Trichromacy



Original Color

56.7487, 0.2170, 0.2792



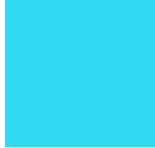
Protanomaly

54.4964, 0.2461, 0.2760



Deuteranomaly

54.9500, 0.2403, 0.2650



Tritanomaly

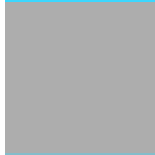
56.7749, 0.2197, 0.2948

Monochromacy



Original Color

56.7487, 0.2170, 0.2792



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.1362, 0.2616, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7487, 0.2170, 0.2792 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(61, 215, 254)` looks like.

```
.text, #text, p{  
    color:rgb(61, 215, 254)  
}
```

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(61, 215, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 215, 254) }
```

Border

The CSS property to change the border of an element to Yxy 56.7487, 0.2170, 0.2792 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(61, 215, 254) }
```

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

```
.border{ border-color:rgb(61, 215, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 215, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 215, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 215, 254);  
box-shadow:4px 4px 4px 4px rgb(61, 215,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7487, 0.2170, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 215, 254) }
```

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

```
.background{ background-color: rgb(61, 215,  
254) }
```

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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