

Converting Colors

$Y_{xy}(55.8933, 0.2263, 0.2724)$

Have a look what the booklet for
Yxy(55.8933, 0.2263, 0.2724)
contains.

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Color

Yxy(56.1380, 0.2264, 0.2729)

Conversions

Conversions Part 1

Format	Color
Hex	66D2FF
RGB	102, 210, 255
RGB Percent	40%, 82%, 100%
CMY	0.6002, 0.1764, 0.0000
CMYK	0.60, 0.18, 0.00, 0.00
HSL	198°, 100%, 70%
HSV	198°, 60%, 100%
XYZ	46.5725, 56.1380, 102.9985
YIQ	182.8380, -78.8130, -8.9010

Conversions

Conversions Part 2

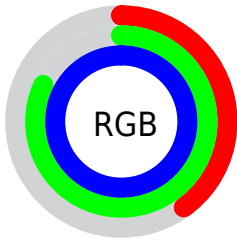
Format	Color
RYB	102, 165, 255
Decimal	6738687
CIELab	79.69, -18.28, -31.34
CIELCh	80, 36.285, 239.747
Yxy	56.1380, 0.2264, 0.2729
Android (android.graphics.Color)	4284928767 (0xFF66D2FF)
YUV	182.8380, 35.5759, -70.8949
Hunter-Lab	74.9253, -20.1661, -29.0572

Details

The Yxy color **56.1380, 0.2264, 0.2729** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.0668, 0.4695, 0.3740**, and the grayscale version is **47.0880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **27.6301, 0.2061, 0.2574** is the 20% darker color. If you saturate the color by 10%, you get **51.2570, 0.2160, 0.2617**, and if you desaturate by 10%, it is **61.6528, 0.2385, 0.2838**.

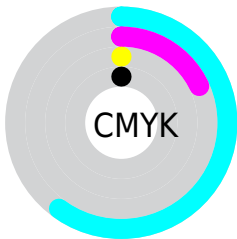
Distribution



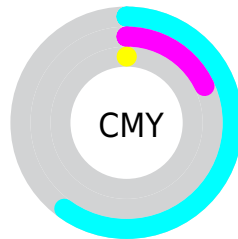
- Red (40%)
- Green (82%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1380, 0.2264, 0.2729 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 56.1380, 0.2264, 0.2729 by changing the saturation by 10% instead.


 56.1380, 0.2264,
0.2729


 56.1380, 0.2264,
0.2729

410.2114, 0.2665,
0.3005

 40.3136, 0.2173,
0.2663


 99.2063, 0.2403,
0.2827

 27.7831, 0.2062,
0.2580


 127.2190, 0.2457,
0.2865

 18.1622, 0.1924,
0.2473


 160.0632, 0.2503,
0.2897

 11.0665, 0.1747,
0.2331

198.1234, 0.2544,
0.2925

 6.1116, 0.1515,
0.2135

241.7839, 0.2580,
0.2949

 2.9131, 0.1206,
0.1854

291.4291, 0.2611,

 1.0865, 0.0760,

0.2970

0.1439

347.4435, 0.2640,
0.2988

■ 0.0000, 0.0000,
0.0000

■ 56.1380, 0.2264,
0.2729

■ 56.1380, 0.2264,
0.2729

■ 51.2570, 0.2160,
0.2617

■ 61.6528, 0.2385,
0.2838

■ 46.9602, 0.2076,
0.2504

■ 67.8381, 0.2520,
0.2942

■ 43.1944, 0.2013,
0.2392

■ 74.7313, 0.2665,
0.3040

■ 39.8787, 0.1967,
0.2282

■ 82.3659, 0.2817,
0.3131

■ 90.7726, 0.2972,
0.3214

99.9804, 0.3127,
0.3290

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.



56.1380, 0.2315, 0.3092



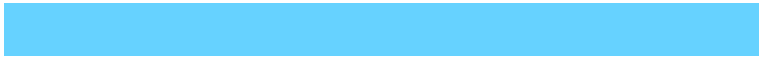
56.1380, 0.2264, 0.2729



56.1380, 0.2418, 0.2547

Triad

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



56.1380, 0.2264, 0.2729



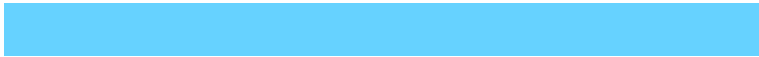
56.1380, 0.3691, 0.3016



56.1380, 0.3453, 0.4153

Complementary

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



56.1380, 0.2264, 0.2729



43.0668, 0.4695, 0.3740

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.



56.1380, 0.3855, 0.4051



56.1380, 0.2264, 0.2729



56.1380, 0.4011, 0.3384

Square

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



56.1380, 0.2264, 0.2729



56.1380, 0.3221, 0.2720



56.1380, 0.4068, 0.3758



56.1380, 0.2981, 0.3976

Rectangle

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



56.1380, 0.2264, 0.2729



56.1380, 0.2626, 0.2530



56.1380, 0.4068, 0.3758



56.1380, 0.3601, 0.4147

Sweetspot

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



56.1392, 0.2264, 0.2729



84.0012, 0.2848, 0.3149



76.3957, 0.2863, 0.4716



17.4777, 0.2803, 0.3123



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.



56.1392, 0.2264, 0.2729



50.3615, 0.2142, 0.2595



27.4002, 0.2041, 0.1736



19.5265, 0.2980, 0.3218



21.1089, 0.1972, 0.2300



2.2449, 0.2008, 0.2427

Inverse Universe

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



35.4061, 0.3651, 0.2244



30.0359, 0.3799, 0.2110



74.3752, 0.4166, 0.4445



18.2040, 0.3183, 0.3124



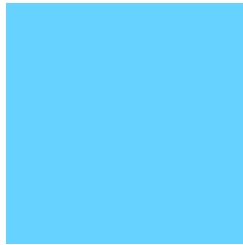
12.8589, 0.4126, 0.2047



1.2712, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 56.1380, 0.2264, 0.2729 looks on a white background.

Color Contrast Check

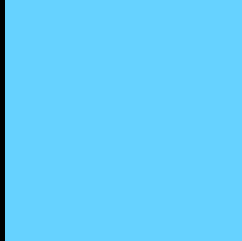
Large Text (above 18pt) WCAG AA × Fail

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 56.1380, 0.2264, 0.2729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

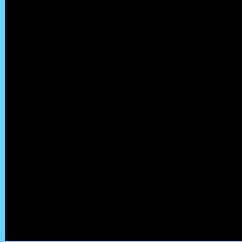
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

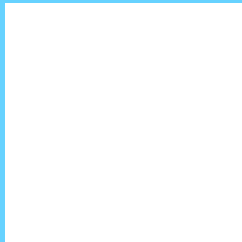
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.1380, 0.2264, 0.2729

Background



This preview shows how black text looks on a background with the Yxy color 56.1380, 0.2264, 0.2729.



This preview shows how white text looks on a background with the Yxy color 56.1380, 0.2264, 0.2729.

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

56.1380, 0.2264, 0.2729

Protanopia

55.3056, 0.2715, 0.2711

Deuteranopia

55.3050, 0.2636, 0.2584



Tritanopia

56.1380, 0.2341, 0.3064

Trichromacy



Original Color

56.1380, 0.2264, 0.2729

Protanomaly

54.9559, 0.2513, 0.2712

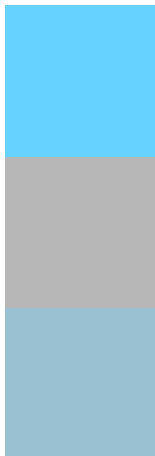
Deuteranomaly

54.8392, 0.2470, 0.2625

Tritanomaly

56.3666, 0.2313, 0.2940

Monochromacy



Original Color

56.1380, 0.2264, 0.2729

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

49.6134, 0.2725, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1380, 0.2264, 0.2729 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(102, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 210, 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(102, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.1380, 0.2264, 0.2729 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(102, 210, 255) }
```

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

```
.border{ border-color:rgb(102, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 210,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1380, 0.2264, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 210, 255) }
```

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

```
.background{ background-color: rgb(102,  
210, 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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