

Converting Colors

$Yxy(55.8669, 0.2442, 0.3044)$

Have a look what the booklet for
Yxy(55.8669, 0.2442, 0.3044)
contains.

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Color

Yxy(56.0972, 0.2446, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	76D3E5
RGB	118, 211, 229
RGB Percent	46%, 83%, 90%
CMY	0.5371, 0.1726, 0.1018
CMYK	0.48, 0.08, 0.00, 0.10
HSL	190°, 68%, 68%
HSV	190°, 48%, 90%
XYZ	44.9145, 56.0972, 82.6125
YIQ	185.2450, -61.2060, -14.1180

Conversions

Conversions Part 2

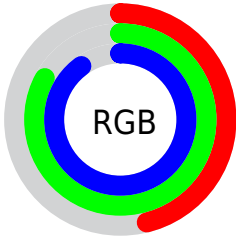
Format	Color
RYB	118, 169, 229
Decimal	7787493
CIELab	79.67, -22.92, -17.47
CIELCh	80, 28.814, 217.316
Yxy	56.0972, 0.2446, 0.3055
Android (android.graphics.Color)	4285977573 (0xFF76D3E5)
YUV	185.2450, 21.5712, -58.9739
Hunter-Lab	74.8981, -24.0297, -12.9682

Details

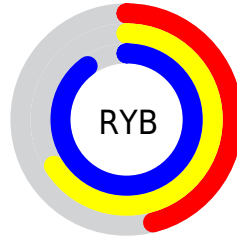
The Yxy color **56.0972, 0.2446, 0.3055** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.5997, 0.4367, 0.3501**, and the grayscale version is **48.5681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **27.7028, 0.2277, 0.2973** is the 20% darker color. If you saturate the color by 10%, you get **52.8575, 0.2340, 0.2998**, and if you desaturate by 10%, it is **59.7732, 0.2567, 0.3110**.

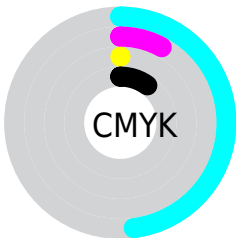
Distribution



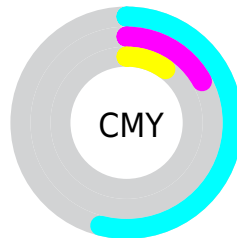
- Red (46%)
- Green (83%)
- Blue (90%)



- Red (46%)
- Yellow (66%)
- Blue (90%)



- Cyan (48%)
- Magenta (8%)
- Yellow (0%)
- Black (10%)




- Cyan (54%)
- Magenta (17%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0972, 0.2446, 0.3055 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 56.0972, 0.2446, 0.3055 by changing the saturation by 10% instead.


 56.0972, 0.2446,
0.3055

 56.0972, 0.2446,
0.3055


410.0577, 0.2767,
0.3177

 40.2809, 0.2372,
0.3024


 99.1467, 0.2558,
0.3100

 27.7576, 0.2279,
0.2984


 127.1486, 0.2602,
0.3116

 18.1430, 0.2162,
0.2931


 159.9812, 0.2639,
0.3130

 11.0527, 0.2009,
0.2856

198.0288, 0.2671,
0.3142

 6.1023, 0.1800,
0.2746

241.6759, 0.2700,
0.3153

 2.9074, 0.1505,
0.2570

291.3068, 0.2725,

 1.0836, 0.0966,

0.3162

0.2285

347.3059, 0.2747,
0.3170

0.0000, 0.0000,
0.0000

56.0972, 0.2446,
0.3055

56.0972, 0.2446,
0.3055

52.8575, 0.2340,
0.2998

59.7732, 0.2567,
0.3110

50.0189, 0.2253,
0.2940

63.9052, 0.2702,
0.3162

47.5505, 0.2184,
0.2881


68.5192, 0.2846,
0.3210


45.4136, 0.2135,
0.2823

73.6373, 0.2997,
0.3255


43.5517, 0.2103,
0.2765


79.2801, 0.3151,
0.3296

 43.2780, 0.2099,
0.2756

 85.3814, 0.3303,
0.3333

 87.5148, 0.3299,
0.3369

 89.6929, 0.3295,
0.3406

 91.9159, 0.3291,
0.3442

Harmonies

Analogous

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



56.0972, 0.2616, 0.3414



56.0972, 0.2446, 0.3055



56.0972, 0.2446, 0.2793

Triad

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



56.0972, 0.2446, 0.3055



56.0972, 0.3303, 0.2881



56.0972, 0.3642, 0.3936

Complementary

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



56.0972, 0.2446, 0.3055



35.5997, 0.4367, 0.3501

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.



56.0972, 0.3852, 0.3742



56.0972, 0.2446, 0.3055



56.0972, 0.3655, 0.3145

Square

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



56.0972, 0.2446, 0.3055



56.0972, 0.2921, 0.2714



56.0972, 0.3860, 0.3453



56.0972, 0.3299, 0.3953

Rectangle

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



56.0972, 0.2446, 0.3055



56.0972, 0.2540, 0.2699



56.0972, 0.3860, 0.3453



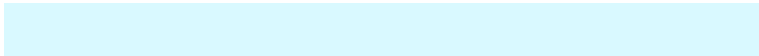
56.0972, 0.3731, 0.3888

Sweetspot

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



56.0993, 0.2446, 0.3055



89.5518, 0.2896, 0.3226



61.6510, 0.2972, 0.4597



18.8794, 0.2865, 0.3216



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.



56.0993, 0.2446, 0.3055



67.4856, 0.2342, 0.2999



33.5867, 0.2304, 0.2299



15.9166, 0.2981, 0.3251



24.8864, 0.2102, 0.2766



1.9460, 0.2125, 0.2850

Inverse Universe

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



34.3306, 0.3360, 0.2281



37.5639, 0.3421, 0.2109



54.8782, 0.4039, 0.4101



14.5729, 0.3163, 0.3095



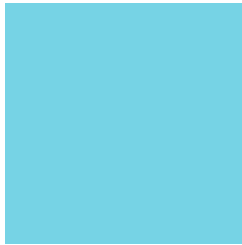
11.7100, 0.3667, 0.1794



0.8761, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 56.0972, 0.2446, 0.3055 looks on a white background.

Color Contrast Check

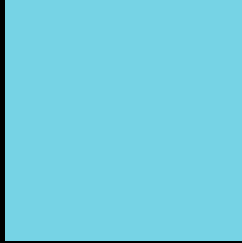
Large Text (above 18pt) WCAG AA × Fail

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 56.0972, 0.2446, 0.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

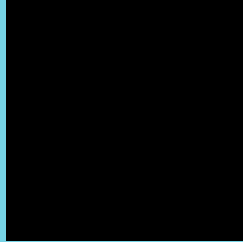
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0972, 0.2446, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 56.0972, 0.2446, 0.3055.

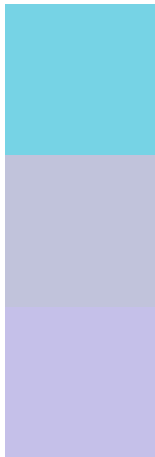


This preview shows how white text looks on a background with the Yxy color 56.0972, 0.2446, 0.3055.

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

56.0972, 0.2446, 0.3055

Protanopia

55.4821, 0.2940, 0.3005

Deuteranopia

55.4528, 0.2874, 0.2817



Tritanopia

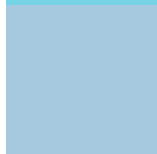
56.0415, 0.2451, 0.3068

Trichromacy



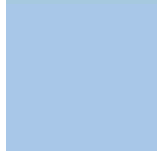
Original Color

56.0972, 0.2446, 0.3055



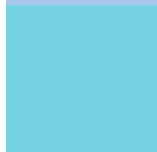
Protanomaly

55.2080, 0.2729, 0.3017



Deuteranomaly

54.9979, 0.2686, 0.2889



Tritanomaly

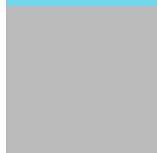
56.0415, 0.2451, 0.3068

Monochromacy



Original Color

56.0972, 0.2446, 0.3055



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.3777, 0.2827, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0972, 0.2446, 0.3055 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(118, 211, 229)` looks like.

```
.text, #text, p{  
    color:rgb(118, 211, 229)  
}
```

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(118, 211, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 211, 229) }
```

Border

The CSS property to change the border of an element to Yxy 56.0972, 0.2446, 0.3055 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(118, 211, 229) }
```

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

```
.border{ border-color:rgb(118, 211, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 211, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 211, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 211, 229);  
box-shadow:4px 4px 4px 4px rgb(118, 211,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0972, 0.2446, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 211, 229) }
```

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

```
.background{ background-color: rgb(118,  
211, 229) }
```

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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