

Converting Colors

Yxy(56.2350, 0.3072, 0.5005)

Have a look what the booklet for
Yxy(56.2350, 0.3072, 0.5005)
contains.

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Color

$\text{Yxy}(56.3277, 0.3073, 0.5006)$

Conversions

Conversions Part 1

Format	Color
Hex	6BDE66
RGB	107, 222, 102
RGB Percent	42%, 87%, 40%
CMY	0.5806, 0.1294, 0.6001
CMYK	0.52, 0.00, 0.54, 0.13
HSL	118°, 65%, 64%
HSV	118°, 54%, 87%
XYZ	34.5775, 56.3277, 21.6152
YIQ	173.9350, -30.0200, -61.7000

Conversions

Conversions Part 2

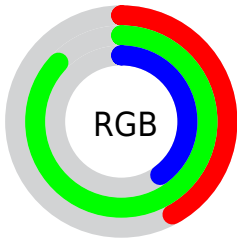
Format	Color
RYB	102, 222, 217
Decimal	7069286
CIELab	79.80, -56.00, 48.50
CIELCh	80, 74.081, 139.102
Yxy	56.3277, 0.3073, 0.5006
Android (android.graphics.Color)	4285259366 (0xFF6BDE66)
YUV	173.9350, -35.4640, -58.7020
Hunter-Lab	75.0518, -49.1029, 35.4605

Details

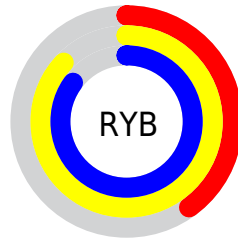
The Yxy color **56.3277, 0.3073, 0.5006** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.5329, 0.3137, 0.1989**, and the grayscale version is **42.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0273, 0.3128, 0.4464**, and **27.9741, 0.2982, 0.5515** is the 20% darker color. If you saturate the color by 10%, you get **54.7871, 0.3057, 0.5338**, and if you desaturate by 10%, it is **58.3155, 0.3088, 0.4651**.

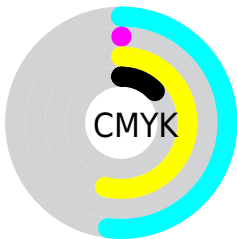
Distribution



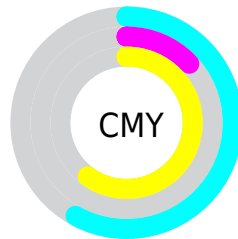
- Red (42%)
- Green (87%)
- Blue (40%)



- Red (40%)
- Yellow (87%)
- Blue (85%)



- Cyan (52%)
- Magenta (0%)
- Yellow (54%)
- Black (13%)




- Cyan (58%)
- Magenta (13%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3277, 0.3073, 0.5006 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 56.3277, 0.3073, 0.5006 by changing the saturation by 10% instead.


 56.3277, 0.3073,
0.5006

 56.3277, 0.3073,
0.5006


410.9253, 0.3147,
0.4115

 40.4657, 0.3039,
0.5232


 99.4835, 0.3112,
0.4678

 27.9018, 0.2985,
0.5520

 127.5462, 0.3123,
0.4556

 18.2517, 0.2898,
0.5898


 160.4445, 0.3130,
0.4453

 11.1308, 0.2748,
0.6402

 198.5630, 0.3136,
0.4365

 6.1549, 0.2528,
0.7235

242.2859, 0.3140,
0.4290

 2.9395, 0.1960,
0.8040

291.9976, 0.3143,

 1.1002, 0.0000,

0.4224


1.0000


348.0826, 0.3145,
0.4166

 0.0000, 0.0000,
0.0000

 56.3277, 0.3073,
0.5006


 56.3277, 0.3073,
0.5006

 54.7871, 0.3057,
0.5338

 58.3155, 0.3088,
0.4651


 53.6526, 0.3040,
0.5621

 60.7739, 0.3100,
0.4299


 52.8879, 0.3025,
0.5831


 63.7327, 0.3111,
0.3965

 52.4465, 0.3011,
0.5954

 67.2176, 0.3119,
0.3661

 52.3077, 0.3007,
0.5994

 71.2524, 0.3125,
0.3390

 75.8595, 0.3130,
0.3153

 80.7285, 0.3142,
0.2970

Harmonies

Analogous

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



56.3277, 0.3962, 0.4998



56.3277, 0.3073, 0.5006



56.3277, 0.2246, 0.4226

Triad

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



56.3277, 0.3073, 0.5006



56.3277, 0.1677, 0.1957



56.3277, 0.4756, 0.3128

Complementary

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



56.3277, 0.3073, 0.5006



29.5329, 0.3137, 0.1989

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.



56.3277, 0.3929, 0.2540



56.3277, 0.3073, 0.5006



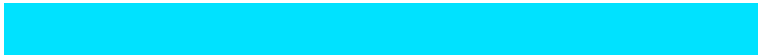
56.3277, 0.2140, 0.1897

Square

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



56.3277, 0.3073, 0.5006



56.3277, 0.1531, 0.2343



56.3277, 0.2931, 0.2106



56.3277, 0.5022, 0.3787

Rectangle

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



56.3277, 0.3073, 0.5006



56.3277, 0.1847, 0.3488



56.3277, 0.2931, 0.2106



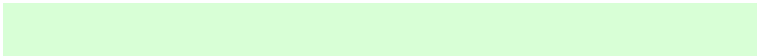
56.3277, 0.4529, 0.2921

Sweetspot

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



56.3301, 0.3073, 0.5006



90.9671, 0.3117, 0.3721



65.6071, 0.3939, 0.4527



19.2527, 0.3116, 0.3783



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.



56.3301, 0.3073, 0.5006



74.7380, 0.3054, 0.5383



57.4725, 0.2772, 0.4237



15.3641, 0.3122, 0.3532



31.0780, 0.3009, 0.5993



2.1638, 0.3037, 0.5971

Inverse Universe

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



29.5329, 0.3137, 0.1989



34.3893, 0.3132, 0.1783



27.8580, 0.3813, 0.2532



13.9052, 0.3131, 0.3059



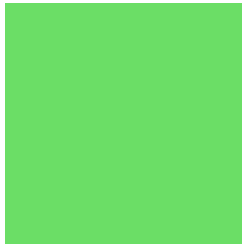
11.5314, 0.3106, 0.1485



0.8084, 0.3123, 0.1494

Previews

White Background



This preview shows how the Yxy color 56.3277, 0.3073, 0.5006 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 56.3277, 0.3073, 0.5006 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 56.3277, 0.3073, 0.5006

Background



This preview shows how black text looks on a background with the Yxy color 56.3277, 0.3073, 0.5006.



This preview shows how white text looks on a background with the Yxy color 56.3277, 0.3073, 0.5006.

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

56.3277, 0.3073, 0.5006

Protanopia

55.6461, 0.4066, 0.4445

Deuteranopia

55.0391, 0.4198, 0.4108



Tritanopia

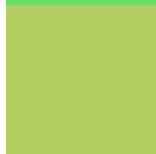
56.0785, 0.2530, 0.3071

Trichromacy



Original Color

56.3277, 0.3073, 0.5006



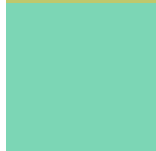
Protanomaly

54.4707, 0.3651, 0.4670



Deuteranomaly

53.4676, 0.3723, 0.4439



Tritanomaly

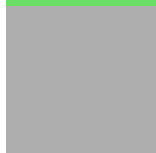
55.7144, 0.2736, 0.3746

Monochromacy



Original Color

56.3277, 0.3073, 0.5006



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.8838, 0.3114, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3277, 0.3073, 0.5006 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(107, 222, 102)` looks like.

```
.text, #text, p{  
    color:rgb(107, 222, 102)  
}
```

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(107, 222, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 222, 102) }
```

Border

The CSS property to change the border of an element to Yxy 56.3277, 0.3073, 0.5006 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(107, 222, 102) }
```

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

```
.border{ border-color:rgb(107, 222, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 222, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 222, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 222, 102);  
box-shadow:4px 4px 4px 4px rgb(107, 222,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3277, 0.3073, 0.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 222, 102) }
```

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

```
.background{ background-color: rgb(107,  
222, 102) }
```

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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