

Converting Colors

Yxy(56.4716, 0.3061, 0.4422)

Have a look what the booklet for
Yxy(56.4716, 0.3061, 0.4422)
contains.

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Color

Yxy(56.4716, 0.3061, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	86D988
RGB	134, 217, 136
RGB Percent	53%, 85%, 53%
CMY	0.4745, 0.1490, 0.4665
CMYK	0.38, 0.00, 0.37, 0.15
HSL	121°, 52%, 69%
HSV	121°, 38%, 85%
XYZ	39.0908, 56.4716, 32.1436
YIQ	182.9490, -23.4670, -42.7870

Conversions

Conversions Part 2

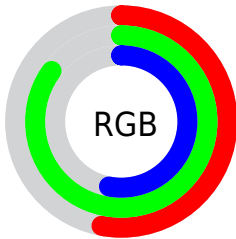
Format	Color
RYB	134, 215, 217
Decimal	8837512
CIELab	79.88, -41.45, 32.14
CIElCh	80, 52.451, 142.207
Yxy	56.4716, 0.3061, 0.4422
Android (android.graphics.Color)	4287027592 (0xFF86D988)
YUV	182.9490, -23.1459, -42.9283
Hunter-Lab	75.1476, -38.6549, 27.2426

Details

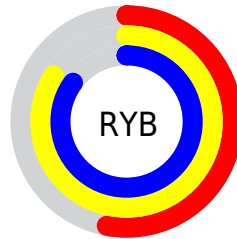
The Yxy color **56.4716, 0.3061, 0.4422** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **36.7094, 0.3190, 0.2370**, and the grayscale version is **47.4668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1849, 0.3093, 0.4021**, and **27.8079, 0.3013, 0.4758** is the 20% darker color. If you saturate the color by 10%, you get **54.3261, 0.3043, 0.4774**, and if you desaturate by 10%, it is **59.1066, 0.3080, 0.4084**.

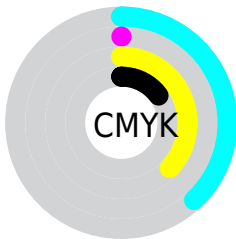
Distribution



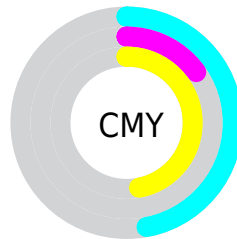
- Red (53%)
- Green (85%)
- Blue (53%)



- Red (53%)
- Yellow (84%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (37%)
- Black (15%)




- Cyan (47%)
- Magenta (15%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4716, 0.3061, 0.4422 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 56.4716, 0.3061, 0.4422 by changing the saturation by 10% instead.


 56.4716, 0.3061,
0.4422

 56.4716, 0.3061,
0.4422


411.4664, 0.3113,
0.3841


 40.5812, 0.3042,
0.4570


 99.6938, 0.3084,
0.4208

 27.9920, 0.3014,
0.4761


 127.7943, 0.3092,
0.4129

 18.3196, 0.2970,
0.5016


 160.7336, 0.3098,
0.4062

 11.1797, 0.2897,
0.5372

198.8962, 0.3102,
0.4005

 6.1878, 0.2766,
0.5892

242.6663, 0.3106,
0.3955

 2.9596, 0.2619,
0.7026

292.4285, 0.3109,

 1.1107, 0.0245,

0.3912

0.9755

348.5670, 0.3111,
0.3875

0.0000, 0.0000,
0.0000

56.4716, 0.3061,
0.4422

56.4716, 0.3061,
0.4422

54.3261, 0.3043,
0.4774

59.1066, 0.3080,
0.4084

52.6334, 0.3026,
0.5122

62.2510, 0.3098,
0.3773

51.3630, 0.3012,
0.5438


65.9323, 0.3114,
0.3494


50.4779, 0.3003,
0.5698


70.1739, 0.3130,
0.3250

49.9343, 0.2998,
0.5879

74.9978, 0.3143,
0.3037

 49.6708, 0.2997,
0.5976

 78.1065, 0.3145,
0.2920

 49.6381, 0.2997,
0.5987

Harmonies

Analogous

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



56.4716, 0.3722, 0.4538



56.4716, 0.3061, 0.4422



56.4716, 0.2453, 0.3862

Triad

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



56.4716, 0.3061, 0.4422



56.4716, 0.2062, 0.2286



56.4716, 0.4323, 0.3259

Complementary

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



56.4716, 0.3061, 0.4422



36.7094, 0.3190, 0.2370

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.



56.4716, 0.3776, 0.2784



56.4716, 0.3061, 0.4422



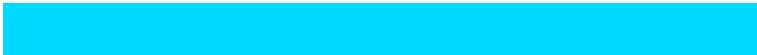
56.4716, 0.2457, 0.2246

Square

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



56.4716, 0.3061, 0.4422



56.4716, 0.1923, 0.2580



56.4716, 0.3072, 0.2426



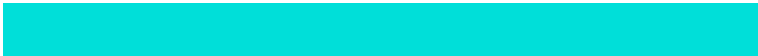
56.4716, 0.4494, 0.3777

Rectangle

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



56.4716, 0.3061, 0.4422



56.4716, 0.2157, 0.3376



56.4716, 0.3072, 0.2426



56.4716, 0.4174, 0.3092

Sweetspot

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



56.4740, 0.3061, 0.4422



93.4239, 0.3110, 0.3570



65.8888, 0.3687, 0.4238



19.8378, 0.3108, 0.3608



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.



56.4740, 0.3061, 0.4422



78.8078, 0.3046, 0.4710



57.8653, 0.2821, 0.3835



14.6114, 0.3113, 0.3526



30.0501, 0.2995, 0.5983



1.9486, 0.2981, 0.5933

Inverse Universe

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



36.7094, 0.3190, 0.2370



46.3880, 0.3204, 0.2190



34.8650, 0.3608, 0.2809



13.2691, 0.3142, 0.3065



11.8009, 0.3271, 0.1575



0.7663, 0.3260, 0.1569

Previews

White Background



This preview shows how the Yxy color 56.4716, 0.3061, 0.4422 looks on a white background.

Color Contrast Check

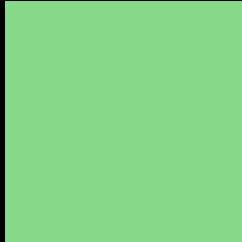
Large Text (above 18pt) WCAG AA × Fail

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 56.4716, 0.3061, 0.4422 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 56.4716, 0.3061, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 56.4716, 0.3061, 0.4422.

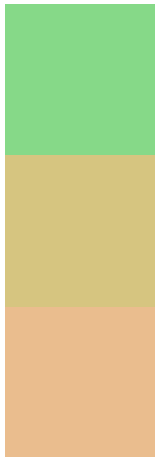


This preview shows how white text looks on a background with the Yxy color 56.4716, 0.3061, 0.4422.

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

56.4716, 0.3061, 0.4422

Protanopia

55.7872, 0.3798, 0.4106

Deuteranopia

55.8406, 0.3899, 0.3819



Tritanopia

56.0496, 0.2641, 0.3075

Trichromacy



Original Color

56.4716, 0.3061, 0.4422



Protanomaly

55.1387, 0.3501, 0.4224



Deuteranomaly

54.7461, 0.3562, 0.4025



Tritanomaly

55.8745, 0.2797, 0.3542

Monochromacy



Original Color

56.4716, 0.3061, 0.4422



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.7827, 0.3101, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4716, 0.3061, 0.4422 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(134, 217, 136)` looks like.

```
.text, #text, p{  
    color:rgb(134, 217, 136)  
}
```

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(134, 217, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 217, 136) }
```

Border

The CSS property to change the border of an element to Yxy 56.4716, 0.3061, 0.4422 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(134, 217, 136) }
```

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

```
.border{ border-color:rgb(134, 217, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 217, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 217, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 217, 136);  
box-shadow:4px 4px 4px 4px rgb(134, 217,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4716, 0.3061, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 217, 136) }
```

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

```
.background{ background-color: rgb(134,  
217, 136) }
```

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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