

Converting Colors

Yxy(66.3649, 0.2961, 0.4653)

Have a look what the booklet for
Yxy(66.3649, 0.2961, 0.4653)
contains.

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Color

Yxy(66.1279, 0.2962, 0.4656)

Conversions

Conversions Part 1

Format	Color
Hex	75ED88
RGB	117, 237, 136
RGB Percent	46%, 93%, 53%
CMY	0.5410, 0.0706, 0.4667
CMYK	0.51, 0.00, 0.43, 0.07
HSL	129°, 77%, 69%
HSV	129°, 51%, 93%
XYZ	42.0685, 66.1279, 33.8309
YIQ	189.6060, -39.0990, -56.8510

Conversions

Conversions Part 2

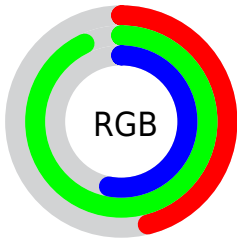
Format	Color
RYB	117, 221, 237
Decimal	7728520
CIELab	85.06, -54.57, 38.78
CIElCh	85, 66.944, 144.596
Yxy	66.1279, 0.2962, 0.4656
Android (android.graphics.Color)	4285918600 (0xFF75ED88)
YUV	189.6060, -26.4278, -63.6755
Hunter-Lab	81.3191, -49.9656, 32.2571

Details

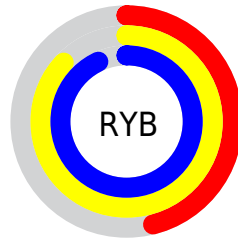
The Yxy color **66.1279, 0.2962, 0.4656** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **35.8060, 0.3368, 0.2235**, and the grayscale version is **51.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4678, 0.3011, 0.4039**, and **34.0669, 0.2883, 0.5051** is the 20% darker color. If you saturate the color by 10%, you get **64.1750, 0.2943, 0.4972**, and if you desaturate by 10%, it is **68.6075, 0.2989, 0.4342**.

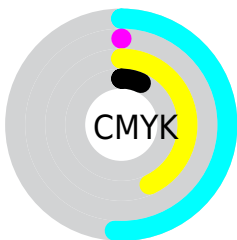
Distribution



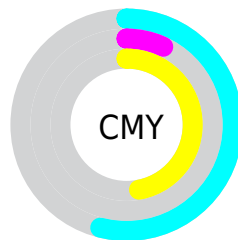
- Red (46%)
- Green (93%)
- Blue (53%)



- Red (46%)
- Yellow (87%)
- Blue (93%)



- Cyan (51%)
- Magenta (0%)
- Yellow (43%)
- Black (7%)





- Cyan (54%)
- Magenta (7%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1279, 0.2962, 0.4656 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 66.1279, 0.2962, 0.4656 by changing the saturation by 10% instead.


 66.1279, 0.2962,
0.4656


 66.1279, 0.2962,
0.4656


446.8342, 0.3069,
0.3966


 48.3762, 0.2928,
0.4827


 113.6699, 0.3006,
0.4405

 34.1249, 0.2882,
0.5046


 144.2290, 0.3021,
0.4311

 22.9896, 0.2814,
0.5333


 179.8260, 0.3033,
0.4231

 14.5858, 0.2709,
0.5722

220.8454, 0.3043,
0.4163

 8.5292, 0.2535,
0.6270

267.6715, 0.3051,
0.4104

 4.4354, 0.2272,
0.7224

320.6888, 0.3058,

 1.9200, 0.1163,

0.4052

0.8837

380.2815, 0.3064,
0.4006

0.5604, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.1279, 0.2962,
0.4656

66.1279, 0.2962,
0.4656

64.1750, 0.2943,
0.4972

68.6075, 0.2989,
0.4342

62.7028, 0.2934,
0.5272


71.6397, 0.3020,
0.4043

61.6708, 0.2936,
0.5535


75.2583, 0.3055,
0.3768

61.0282, 0.2949,
0.5744

79.4922, 0.3090,
0.3521

 60.7039, 0.2967,
0.5881

 84.3683, 0.3125,
0.3302

 89.0478, 0.3135,
0.3117

Harmonies

Analogous

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



66.1279, 0.3749, 0.4809



66.1279, 0.2962, 0.4656



66.1279, 0.2263, 0.3918

Triad

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



66.1279, 0.2962, 0.4656



66.1279, 0.1901, 0.2089



66.1279, 0.4610, 0.3276

Complementary

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



66.1279, 0.2962, 0.4656



35.8060, 0.3368, 0.2235

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.



66.1279, 0.3972, 0.2726



66.1279, 0.2962, 0.4656



66.1279, 0.2375, 0.2075

Square

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



66.1279, 0.2962, 0.4656



66.1279, 0.1717, 0.2390



66.1279, 0.3118, 0.2302



66.1279, 0.4757, 0.3875

Rectangle

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



66.1279, 0.2962, 0.4656



66.1279, 0.1940, 0.3308



66.1279, 0.3118, 0.2302



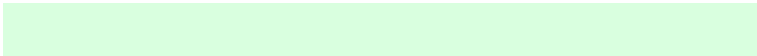
66.1279, 0.4443, 0.3084

Sweetspot

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



66.1306, 0.2962, 0.4656



91.5495, 0.3074, 0.3627



76.9148, 0.3733, 0.4578



19.3707, 0.3067, 0.3680



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.



66.1306, 0.2962, 0.4656



75.6531, 0.2942, 0.4991



68.2946, 0.2666, 0.3835



16.9009, 0.3094, 0.3494



33.1547, 0.2962, 0.5862



2.6152, 0.2900, 0.5641

Inverse Universe

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



35.8060, 0.3368, 0.2235



36.0081, 0.3432, 0.2057



33.2445, 0.4046, 0.2829



15.2706, 0.3162, 0.3094



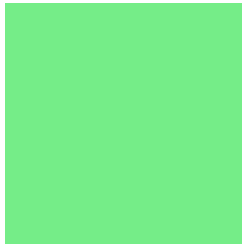
12.1127, 0.3652, 0.1786



0.9621, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 66.1279, 0.2962, 0.4656 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 66.1279, 0.2962, 0.4656 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 66.1279, 0.2962, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 66.1279, 0.2962, 0.4656.

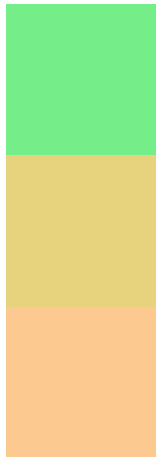


This preview shows how white text looks on a background with the Yxy color 66.1279, 0.2962, 0.4656.

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

66.1279, 0.2962, 0.4656

Protanopia

65.0838, 0.3891, 0.4220

Deuteranopia

64.9501, 0.3978, 0.3897



Tritanopia

66.0723, 0.2523, 0.3073

Trichromacy



Original Color

66.1279, 0.2962, 0.4656



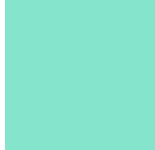
Protanomaly

63.7453, 0.3499, 0.4386



Deuteranomaly

63.2205, 0.3546, 0.4172



Tritanomaly

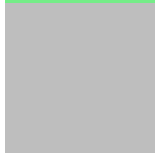
65.3848, 0.2682, 0.3609

Monochromacy



Original Color

66.1279, 0.2962, 0.4656



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.3145, 0.3053, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1279, 0.2962, 0.4656 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(117, 237, 136)` looks like.

```
.text, #text, p{  
    color:rgb(117, 237, 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(117, 237, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 237, 136) }
```

Border

The CSS property to change the border of an element to Yxy 66.1279, 0.2962, 0.4656 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(117, 237, 136) }
```

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

```
.border{ border-color:rgb(117, 237, 136) }
```

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

Here you see how a box with a 4 pixel rgb(117, 237, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 237, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 237, 136);  
box-shadow:4px 4px 4px 4px rgb(117, 237,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1279, 0.2962, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 237, 136) }
```

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

```
.background{ background-color: rgb(117,  
237, 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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