

Converting Colors

$Yxy(66.3706, 0.2729, 0.3736)$

Have a look what the booklet for
Yxy(66.3706, 0.2729, 0.3736)
contains.

Yxy(66.2514, 0.2727, 0.3726)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.2514, 0.2727, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	86E7C5
RGB	134, 231, 197
RGB Percent	53%, 91%, 77%
CMY	0.4745, 0.0941, 0.2274
CMYK	0.42, 0.00, 0.15, 0.09
HSL	159°, 67%, 72%
HSV	159°, 42%, 91%
XYZ	48.4883, 66.2514, 63.0686
YIQ	198.1210, -46.8980, -31.1380

Conversions

Conversions Part 2

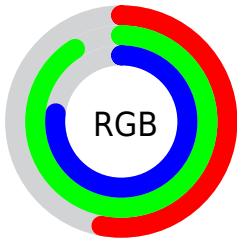
Format	Color
RYB	134, 193, 231
Decimal	8841157
CIELab	85.12, -36.36, 7.64
CIELCh	85, 37.156, 168.142
Yxy	66.2514, 0.2727, 0.3726
Android (android.graphics.Color)	4287031237 (0xFF86E7C5)
YUV	198.1210, -0.5527, -56.2341
Hunter-Lab	81.3950, -36.1057, 11.0358

Details

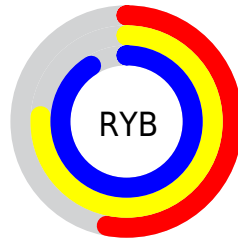
The Yxy color **66.2514, 0.2727, 0.3726** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **36.8688, 0.3822, 0.2903**, and the grayscale version is **56.5776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7521, 0.2762, 0.3300**, and **34.2209, 0.2625, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **64.1974, 0.2658, 0.3852**, and if you desaturate by 10%, it is **68.7452, 0.2809, 0.3608**.

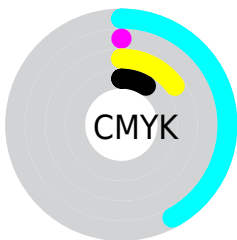
Distribution



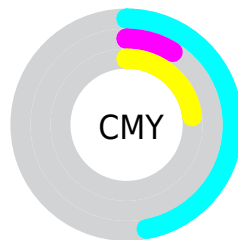
- Red (53%)
- Green (91%)
- Blue (77%)



- Red (53%)
- Yellow (76%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)





- Cyan (47%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2514, 0.2727, 0.3726 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 66.2514, 0.2727, 0.3726 by changing the saturation by 10% instead.

 66.2514, 0.2727,
0.3726


 66.2514, 0.2727,
0.3726

447.2754, 0.2918,
0.3515

 48.4765, 0.2682,
0.3777


 113.8471, 0.2794,
0.3651

 34.2044, 0.2626,
0.3841

 144.4367, 0.2820,
0.3622

 23.0507, 0.2553,
0.3924

 180.0666, 0.2842,
0.3598

 14.6309, 0.2457,
0.4036

221.1213, 0.2861,
0.3577

 8.5608, 0.2322,
0.4196

267.9851, 0.2878,
0.3558

 4.4558, 0.2121,
0.4443

321.0425, 0.2893,

 1.9317, 0.1776,

0.3542

0.4875

380.6778, 0.2906,
0.3528

■ 0.5673, 0.0000,
0.8711

■ 0.0000, 0.0000,
0.0000

■ 66.2514, 0.2727,
0.3726

■ 66.2514, 0.2727,
0.3726

■ 64.1974, 0.2658,
0.3852

■ 68.7452, 0.2809,
0.3608

■ 62.5476, 0.2606,
0.3984


■ 71.6959, 0.2902,
0.3498

■ 61.2739, 0.2572,
0.4119


■ 75.1293, 0.3002,
0.3398


■ 60.3407, 0.2559,
0.4256

■ 79.0670, 0.3106,
0.3307

 59.7055, 0.2565,
0.4391

 83.5292, 0.3212,
0.3226

 59.3571, 0.2583,
0.4497

 85.0405, 0.3198,
0.3148

 85.5473, 0.3146,
0.3071

 85.6326, 0.3138,
0.3058

Harmonies

Analogous

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



66.2514, 0.3163, 0.4052



66.2514, 0.2727, 0.3726



66.2514, 0.2412, 0.3270

Triad

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



66.2514, 0.2727, 0.3726



66.2514, 0.2622, 0.2550



66.2514, 0.4050, 0.3610

Complementary

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



66.2514, 0.2727, 0.3726



36.8688, 0.3822, 0.2903

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.



66.2514, 0.3890, 0.3240



66.2514, 0.2727, 0.3726



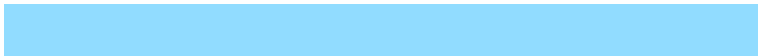
66.2514, 0.3036, 0.2655

Square

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



66.2514, 0.2727, 0.3726



66.2514, 0.2358, 0.2615



66.2514, 0.3507, 0.2901



66.2514, 0.3940, 0.3935

Rectangle

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



66.2514, 0.2727, 0.3726



66.2514, 0.2304, 0.2985



66.2514, 0.3507, 0.2901



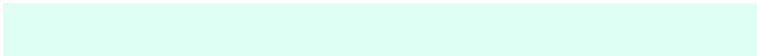
66.2514, 0.4027, 0.3487

Sweetspot

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



66.2541, 0.2727, 0.3726



93.5204, 0.2991, 0.3408



67.3727, 0.3298, 0.4501



19.8049, 0.2968, 0.3430



0.0000, 0.0000, 0.0000



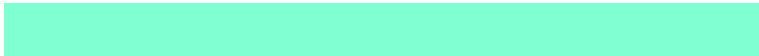
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2541, 0.2727, 0.3726



80.7404, 0.2669, 0.3830



61.0175, 0.2529, 0.3127



16.2461, 0.3028, 0.3374



33.3003, 0.2577, 0.4476



2.4782, 0.2523, 0.4281

Inverse Universe

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



36.8688, 0.3822, 0.2903



39.5531, 0.4034, 0.2832



39.5602, 0.4149, 0.3442



14.4510, 0.3238, 0.3208



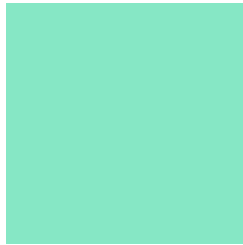
9.8779, 0.5570, 0.2842



0.7470, 0.5163, 0.2618

Previews

White Background



This preview shows how the Yxy color 66.2514, 0.2727, 0.3726 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 66.2514, 0.2727, 0.3726 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 66.2514, 0.2727, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 66.2514, 0.2727, 0.3726.

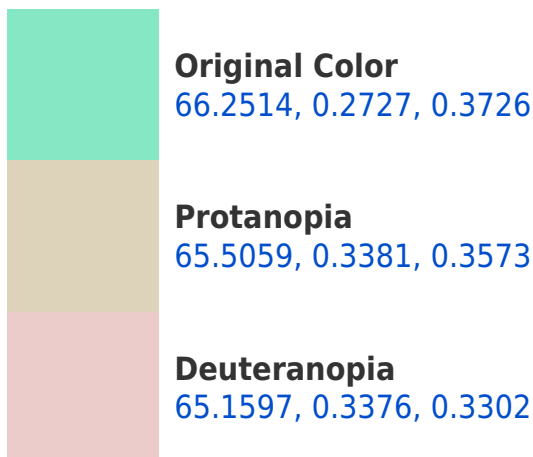


This preview shows how white text looks on a background with the Yxy color 66.2514, 0.2727, 0.3726.

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





Tritanopia

66.4325, 0.2543, 0.3074

Trichromacy



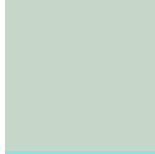
Original Color

66.2514, 0.2727, 0.3726



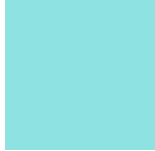
Protanomaly

64.6793, 0.3104, 0.3627



Deuteranomaly

64.3159, 0.3098, 0.3443



Tritanomaly

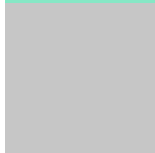
66.1799, 0.2611, 0.3301

Monochromacy



Original Color

66.2514, 0.2727, 0.3726



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.2844, 0.2954, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2514, 0.2727, 0.3726 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, 231, 197)` looks like.

```
.text, #text, p{  
    color:rgb(134, 231, 197)  
}
```

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, 231, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 231, 197) }
```

Border

The CSS property to change the border of an element to Yxy 66.2514, 0.2727, 0.3726 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, 231, 197) }
```

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

```
.border{ border-color:rgb(134, 231, 197) }
```

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

Here you see how a box with a 4 pixel rgb(134, 231, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 231, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 231, 197);  
box-shadow:4px 4px 4px 4px rgb(134, 231,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2514, 0.2727, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 231, 197) }
```

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

```
.background{ background-color: rgb(134,  
231, 197) }
```

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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