

Converting Colors

$Yxy(66.9162, 0.2707, 0.3998)$

Have a look what the booklet for
Yxy(66.9162, 0.2707, 0.3998)
contains.

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Color

Yxy(66.9205, 0.2706, 0.3993)

Conversions

Conversions Part 1

Format	Color
Hex	71ECB7
RGB	113, 236, 183
RGB Percent	44%, 93%, 72%
CMY	0.5569, 0.0745, 0.2824
CMYK	0.52, 0.00, 0.22, 0.07
HSL	154°, 76%, 68%
HSV	154°, 52%, 93%
XYZ	45.3511, 66.9205, 55.3230
YIQ	193.1810, -56.2950, -42.5590

Conversions

Conversions Part 2

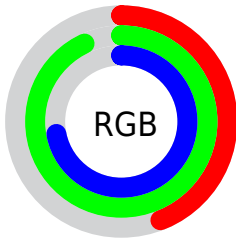
Format	Color
RYB	113, 191, 236
Decimal	7466167
CIELab	85.46, -46.64, 15.35
CIElCh	85, 49.095, 161.786
Yxy	66.9205, 0.2706, 0.3993
Android (android.graphics.Color)	4285656247 (0xFF71ECB7)
YUV	193.1810, -5.0192, -70.3187
Hunter-Lab	81.8050, -44.2017, 17.1669

Details

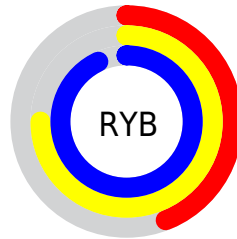
The Yxy color **66.9205, 0.2706, 0.3993** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.3954, 0.3961, 0.2708**, and the grayscale version is **53.4950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5227, 0.2738, 0.3466**, and **34.5049, 0.2594, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **65.1480, 0.2661, 0.4159**, and if you desaturate by 10%, it is **69.1359, 0.2767, 0.3835**.

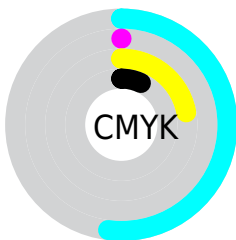
Distribution



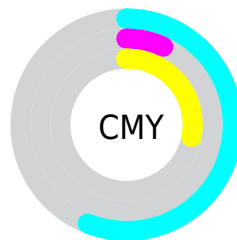
- Red (44%)
- Green (93%)
- Blue (72%)



- Red (44%)
- Yellow (75%)
- Blue (93%)



- Cyan (52%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)





- Cyan (56%)
- Magenta (7%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9205, 0.2706, 0.3993 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 66.9205, 0.2706, 0.3993 by changing the saturation by 10% instead.

 66.9205, 0.2706,
0.3993

 66.9205, 0.2706,
0.3993


449.6617, 0.2911,
0.3647

 49.0200, 0.2657,
0.4078


 114.8065, 0.2779,
0.3868

 34.6354, 0.2594,
0.4185


 145.5608, 0.2807,
0.3821

 23.3821, 0.2513,
0.4326


 181.3685, 0.2831,
0.3781

 14.8759, 0.2403,
0.4519

222.6140, 0.2851,
0.3747

 8.7324, 0.2246,
0.4798

269.6817, 0.2869,
0.3717

 4.5670, 0.2008,
0.5233

322.9559, 0.2885,

 1.9955, 0.1492,

0.3691

0.6092

382.8211, 0.2899,
0.3667

0.6049, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.9205, 0.2706,
0.3993

66.9205, 0.2706,
0.3993

65.1480, 0.2661,
0.4159

69.1359, 0.2767,
0.3835

63.7773, 0.2634,
0.4329


71.8156, 0.2841,
0.3686


62.7735, 0.2628,
0.4499


74.9890, 0.2924,
0.3549


62.0912, 0.2642,
0.4665

78.6808, 0.3014,
0.3424

 61.7241, 0.2664,
0.4792

 82.9140, 0.3107,
0.3312

 87.7102, 0.3202,
0.3212

 88.4221, 0.3141,
0.3115

 88.4743, 0.3136,
0.3107

Harmonies

Analogous

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



66.9205, 0.3285, 0.4365



66.9205, 0.2706, 0.3993



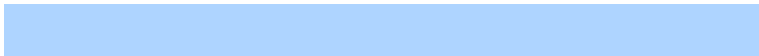
66.9205, 0.2267, 0.3381

Triad

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



66.9205, 0.2706, 0.3993



66.9205, 0.2381, 0.2340



66.9205, 0.4328, 0.3578

Complementary

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



66.9205, 0.2706, 0.3993



32.3954, 0.3961, 0.2708

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.



66.9205, 0.4046, 0.3114



66.9205, 0.2706, 0.3993



66.9205, 0.2874, 0.2436

Square

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



66.9205, 0.2706, 0.3993



66.9205, 0.2100, 0.2459



66.9205, 0.3491, 0.2711



66.9205, 0.4244, 0.4026

Rectangle

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



66.9205, 0.2706, 0.3993



66.9205, 0.2100, 0.2985



66.9205, 0.3491, 0.2711



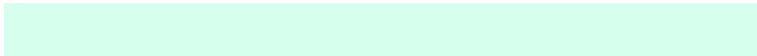
66.9205, 0.4274, 0.3421

Sweetspot

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



66.9232, 0.2706, 0.3993



91.9852, 0.2978, 0.3472



69.3256, 0.3374, 0.4797



19.4939, 0.2960, 0.3498



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.



66.9232, 0.2706, 0.3993



77.4537, 0.2657, 0.4178



64.9462, 0.2435, 0.3186



17.0058, 0.3039, 0.3393



34.0480, 0.2657, 0.4766



2.6928, 0.2595, 0.4541

Inverse Universe

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



32.3954, 0.3961, 0.2708



31.9929, 0.4247, 0.2616



32.7475, 0.4591, 0.3384



15.1618, 0.3225, 0.3189



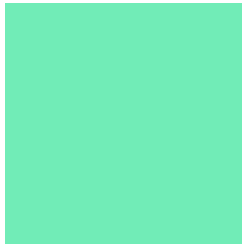
10.3801, 0.5247, 0.2664



0.8340, 0.4897, 0.2471

Previews

White Background



This preview shows how the Yxy color 66.9205, 0.2706, 0.3993 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 66.9205, 0.2706, 0.3993 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 66.9205, 0.2706, 0.3993

Background



This preview shows how black text looks on a background with the Yxy color 66.9205, 0.2706, 0.3993.



This preview shows how white text looks on a background with the Yxy color 66.9205, 0.2706, 0.3993.

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

66.9205, 0.2706, 0.3993

Protanopia

66.0348, 0.3520, 0.3752

Deuteranopia

65.6042, 0.3524, 0.3442



Tritanopia

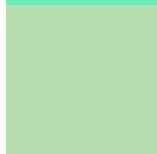
66.9659, 0.2465, 0.3072

Trichromacy



Original Color

66.9205, 0.2706, 0.3993



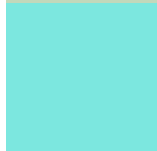
Protanomaly

64.9984, 0.3164, 0.3854



Deuteranomaly

64.1689, 0.3162, 0.3638



Tritanomaly

66.7646, 0.2548, 0.3389

Monochromacy



Original Color

66.9205, 0.2706, 0.3993



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

57.1676, 0.2935, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9205, 0.2706, 0.3993 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(113, 236, 183)` looks like.

```
.text, #text, p{  
    color:rgb(113, 236, 183)  
}
```

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(113, 236, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 236, 183) }
```

Border

The CSS property to change the border of an element to Yxy 66.9205, 0.2706, 0.3993 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(113, 236, 183) }
```

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

```
.border{ border-color:rgb(113, 236, 183) }
```

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

Here you see how a box with a 4 pixel rgb(113, 236, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 236, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 236, 183);  
box-shadow:4px 4px 4px 4px rgb(113, 236,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9205, 0.2706, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 236, 183) }
```

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

```
.background{ background-color: rgb(113,  
236, 183) }
```

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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