

Converting Colors

$Y_{xy}(66.0070, 0.2563, 0.3392)$

Have a look what the booklet for
Yxy(66.0070, 0.2563, 0.3392)
contains.

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Color

Yxy(66.2497, 0.2565, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	7EE6DD
RGB	126, 230, 221
RGB Percent	49%, 90%, 87%
CMY	0.5058, 0.0980, 0.1335
CMYK	0.45, 0.00, 0.04, 0.10
HSL	175°, 68%, 70%
HSV	175°, 45%, 90%
XYZ	49.9502, 66.2497, 78.5376
YIQ	197.8780, -59.0950, -24.8470

Conversions

Conversions Part 2

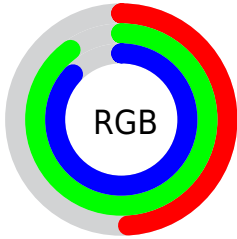
Format	Color
RYB	126, 180, 230
Decimal	8316637
CIELab	85.12, -32.38, -5.01
CIElCh	85, 32.770, 188.800
Yxy	66.2497, 0.2565, 0.3402
Android (android.graphics.Color)	4286506717 (0xFF7EE6DD)
YUV	197.8780, 11.3991, -63.0370
Hunter-Lab	81.3939, -32.8967, -0.2336

Details

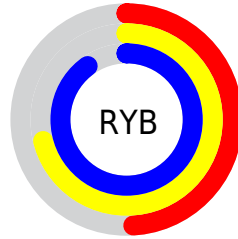
The Yxy color **66.2497, 0.2565, 0.3402** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.5014, 0.4234, 0.3189**, and the grayscale version is **56.3531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **34.1835, 0.2430, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **64.5940, 0.2479, 0.3431**, and if you desaturate by 10%, it is **68.3138, 0.2668, 0.3374**.

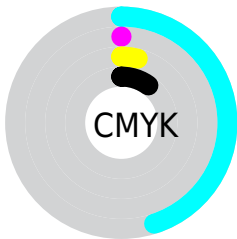
Distribution



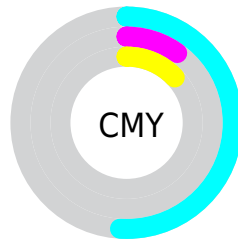
- Red (49%)
- Green (90%)
- Blue (87%)



- Red (49%)
- Yellow (71%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)




- Cyan (51%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2497, 0.2565, 0.3402 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 66.2497, 0.2565, 0.3402 by changing the saturation by 10% instead.


 66.2497, 0.2565,
0.3402


 66.2497, 0.2565,
0.3402


447.2694, 0.2826,
0.3353


 48.4751, 0.2505,
0.3412


 113.8446, 0.2656,
0.3386

 34.2033, 0.2432,
0.3424

 144.4338, 0.2691,
0.3379

 23.0498, 0.2338,
0.3439


 180.0633, 0.2721,
0.3374

 14.6303, 0.2217,
0.3457

221.1175, 0.2748,
0.3369

 8.5603, 0.2052,
0.3478

267.9808, 0.2771,
0.3364

 4.4555, 0.1817,
0.3502

321.0376, 0.2791,

 1.9315, 0.1461,

0.3360

380.6724, 0.2810,
0.3357

0.3524

0.5672, 0.0000,
0.3694

0.0000, 0.0000,
0.0000

66.2497, 0.2565,
0.3402

66.2497, 0.2565,
0.3402

64.5940, 0.2479,
0.3431

68.3138, 0.2668,
0.3374

63.3109, 0.2412,
0.3460


70.8038, 0.2785,
0.3348

62.3716, 0.2364,
0.3490

73.7455, 0.2915,
0.3324


61.7395, 0.2336,
0.3520


77.1603, 0.3053,
0.3301


 61.3695, 0.2325,
0.3549

 81.0685, 0.3197,
0.3280

 61.2504, 0.2323,
0.3563

 83.7375, 0.3281,
0.3261

 83.8524, 0.3268,
0.3242

 83.9685, 0.3255,
0.3222

 84.0860, 0.3241,
0.3202

Harmonies

Analogous

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



66.2497, 0.2889, 0.3780



66.2497, 0.2565, 0.3402



66.2497, 0.2393, 0.3018

Triad

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



66.2497, 0.2565, 0.3402



66.2497, 0.2924, 0.2679



66.2497, 0.3901, 0.3786

Complementary

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



66.2497, 0.2565, 0.3402



33.5014, 0.4234, 0.3189

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.



66.2497, 0.3922, 0.3478



66.2497, 0.2565, 0.3402



66.2497, 0.3336, 0.2865

Square

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



66.2497, 0.2565, 0.3402



66.2497, 0.2589, 0.2632



66.2497, 0.3710, 0.3149



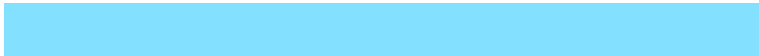
66.2497, 0.3664, 0.3991

Rectangle

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



66.2497, 0.2565, 0.3402



66.2497, 0.2379, 0.2820



66.2497, 0.3710, 0.3149



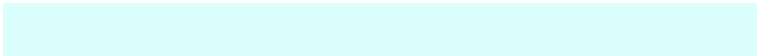
66.2497, 0.3934, 0.3691

Sweetspot

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



66.2523, 0.2565, 0.3402



93.6484, 0.2930, 0.3321



63.3726, 0.3123, 0.4680



19.8582, 0.2901, 0.3326



0.0000, 0.0000, 0.0000



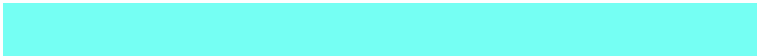
21.4041, 0.3127, 0.3290

Same Dimension

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



66.2523, 0.2565, 0.3402



81.7957, 0.2486, 0.3428



46.2928, 0.2425, 0.2741



16.3137, 0.2993, 0.3310



34.6840, 0.2322, 0.3559



2.5694, 0.2310, 0.3516

Inverse Universe

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



33.5014, 0.4234, 0.3189



35.6447, 0.4597, 0.3175



46.1935, 0.4108, 0.3770



14.3882, 0.3279, 0.3270



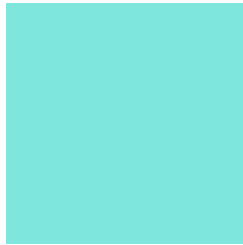
9.5602, 0.6301, 0.3245



0.7135, 0.6055, 0.3109

Previews

White Background



This preview shows how the Yxy color 66.2497, 0.2565, 0.3402 looks on a white background.

Color Contrast Check

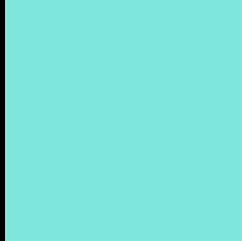
Large Text (above 18pt) WCAG AA × Fail

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 66.2497, 0.2565, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

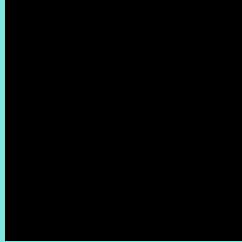
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.2497, 0.2565, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 66.2497, 0.2565, 0.3402.



This preview shows how white text looks on a background with the Yxy color 66.2497, 0.2565, 0.3402.

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

66.2497, 0.2565, 0.3402

Protanopia

65.1934, 0.3164, 0.3290

Deuteranopia

65.1612, 0.3130, 0.3062



Tritanopia

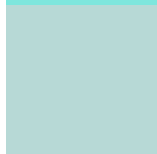
65.9718, 0.2474, 0.3059

Trichromacy



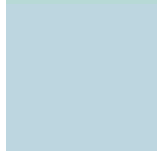
Original Color

66.2497, 0.2565, 0.3402



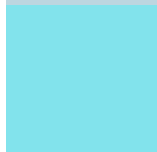
Protanomaly

64.5480, 0.2909, 0.3325



Deuteranomaly

64.2938, 0.2886, 0.3173



Tritanomaly

65.7401, 0.2505, 0.3178

Monochromacy



Original Color

66.2497, 0.2565, 0.3402



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.3201, 0.2882, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2497, 0.2565, 0.3402 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(126, 230, 221)` looks like.

```
.text, #text, p{  
    color:rgb(126, 230, 221)  
}
```

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(126, 230, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 230, 221) }
```

Border

The CSS property to change the border of an element to Yxy 66.2497, 0.2565, 0.3402 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(126, 230, 221) }
```

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

```
.border{ border-color:rgb(126, 230, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 230, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 230, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 230, 221);  
box-shadow:4px 4px 4px 4px rgb(126, 230,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2497, 0.2565, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 230, 221) }
```

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

```
.background{ background-color: rgb(126,  
230, 221) }
```

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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