

Converting Colors

$Yxy(66.6226, 0.2549, 0.3401)$

Have a look what the booklet for
Yxy(66.6226, 0.2549, 0.3401)
contains.

Yxy(66.6367, 0.2549, 0.3402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.6367, 0.2549, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	7BE7DE
RGB	123, 231, 222
RGB Percent	48%, 91%, 87%
CMY	0.5175, 0.0941, 0.1296
CMYK	0.47, 0.00, 0.04, 0.09
HSL	175°, 69%, 69%
HSV	175°, 47%, 91%
XYZ	49.9286, 66.6367, 79.3098
YIQ	197.6820, -61.4790, -25.6950

Conversions

Conversions Part 2

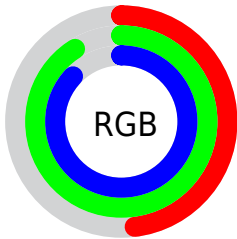
Format	Color
RYB	123, 179, 231
Decimal	8120286
CIELab	85.32, -33.29, -5.26
CIElCh	85, 33.703, 188.979
Yxy	66.6367, 0.2549, 0.3402
Android (android.graphics.Color)	4286310366 (0xFF7BE7DE)
YUV	197.6820, 11.9888, -65.4961
Hunter-Lab	81.6313, -33.6780, -0.4620

Details

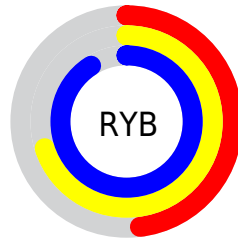
The Yxy color **66.6367, 0.2549, 0.3402** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **32.8333, 0.4296, 0.3190**, and the grayscale version is **56.2282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **34.4741, 0.2412, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **65.0282, 0.2466, 0.3430**, and if you desaturate by 10%, it is **68.6536, 0.2650, 0.3375**.

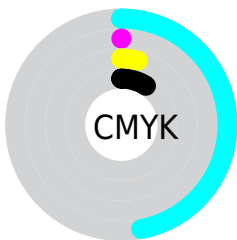
Distribution



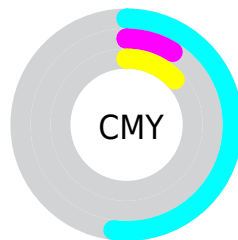
- Red (48%)
- Green (91%)
- Blue (87%)



- Red (48%)
- Yellow (70%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)



- Cyan (52%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6367, 0.2549, 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 66.6367, 0.2549, 0.3402 by changing the saturation by 10% instead.

 66.6367, 0.2549,
0.3402


 66.6367, 0.2549,
0.3402


448.6505, 0.2817,
0.3354


 48.7894, 0.2488,
0.3412


 114.3997, 0.2642,
0.3386

 34.4525, 0.2412,
0.3424


 145.0842, 0.2678,
0.3380

 23.2414, 0.2317,
0.3438


 180.8166, 0.2709,
0.3374

 14.7719, 0.2193,
0.3455

221.9813, 0.2736,
0.3369

 8.6594, 0.2025,
0.3475

268.9626, 0.2760,
0.3365

 4.5197, 0.1787,
0.3498

322.1450, 0.2781,

 1.9683, 0.1427,

0.3361

381.9128, 0.2800,
0.3357

0.3515

0.5890, 0.0000,
0.3684

0.0000, 0.0000,
0.0000

66.6367, 0.2549,
0.3402

66.6367, 0.2549,
0.3402

65.0282, 0.2466,
0.3430

68.6536, 0.2650,
0.3375

63.7915, 0.2401,
0.3458


71.0969, 0.2765,
0.3350

62.8967, 0.2356,
0.3487


73.9929, 0.2893,
0.3326

62.3058, 0.2330,
0.3516


77.3638, 0.3031,
0.3304


 61.9703, 0.2321,
0.3544

 81.2300, 0.3175,
0.3284

 61.8898, 0.2320,
0.3553

 84.3293, 0.3276,
0.3265

 84.4409, 0.3263,
0.3246

 84.5536, 0.3251,
0.3227

 84.6676, 0.3238,
0.3208

Harmonies

Analogous

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



66.6367, 0.2880, 0.3791



66.6367, 0.2549, 0.3402



66.6367, 0.2374, 0.3008

Triad

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



66.6367, 0.2549, 0.3402



66.6367, 0.2921, 0.2666



66.6367, 0.3920, 0.3800

Complementary

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



66.6367, 0.2549, 0.3402



32.8333, 0.4296, 0.3190

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.



66.6367, 0.3943, 0.3484



66.6367, 0.2549, 0.3402



66.6367, 0.3344, 0.2856

Square

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



66.6367, 0.2549, 0.3402



66.6367, 0.2577, 0.2616



66.6367, 0.3728, 0.3146



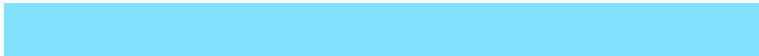
66.6367, 0.3675, 0.4010

Rectangle

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



66.6367, 0.2549, 0.3402



66.6367, 0.2361, 0.2805



66.6367, 0.3728, 0.3146



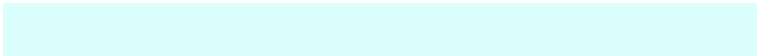
66.6367, 0.3955, 0.3702

Sweetspot

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



66.6393, 0.2549, 0.3402



93.6556, 0.2929, 0.3320



63.6395, 0.3121, 0.4734



19.8599, 0.2900, 0.3325



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.



66.6393, 0.2549, 0.3402



81.4514, 0.2469, 0.3429



45.8722, 0.2403, 0.2719



16.3145, 0.2993, 0.3310



34.7043, 0.2319, 0.3549



2.5707, 0.2308, 0.3507

Inverse Universe

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



32.8333, 0.4296, 0.3190



34.3518, 0.4689, 0.3177



45.7748, 0.4152, 0.3785



14.3875, 0.3279, 0.3271



9.5586, 0.6305, 0.3247



0.7132, 0.6067, 0.3116

Previews

White Background



This preview shows how the Yxy color 66.6367, 0.2549, 0.3402 looks on a white background.

Color Contrast Check

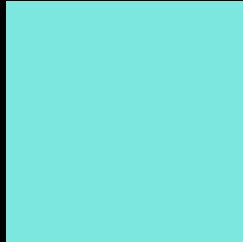
Large Text (above 18pt) WCAG AA × Fail

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 66.6367, 0.2549, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

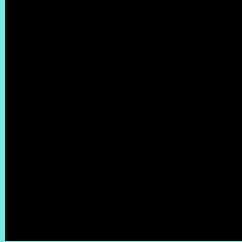
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6367, 0.2549, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 66.6367, 0.2549, 0.3402.

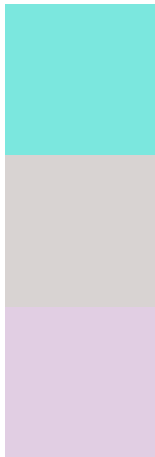


This preview shows how white text looks on a background with the Yxy color 66.6367, 0.2549, 0.3402.

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

66.6367, 0.2549, 0.3402

Protanopia

65.8406, 0.3171, 0.3301

Deuteranopia

65.6962, 0.3123, 0.3063



Tritanopia

66.3378, 0.2459, 0.3059

Trichromacy



Original Color

66.6367, 0.2549, 0.3402



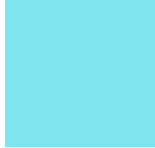
Protanomaly

64.9429, 0.2903, 0.3337



Deuteranomaly

64.7285, 0.2874, 0.3173



Tritanomaly

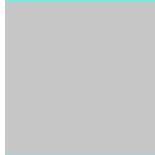
66.1133, 0.2489, 0.3178

Monochromacy



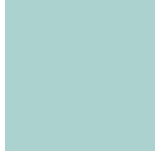
Original Color

66.6367, 0.2549, 0.3402



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.2561, 0.2869, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6367, 0.2549, 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(123, 231, 222)` looks like.

```
.text, #text, p{  
    color:rgb(123, 231, 222)  
}
```

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(123, 231, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 231, 222) }
```

Border

The CSS property to change the border of an element to Yxy 66.6367, 0.2549, 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(123, 231, 222) }
```

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

```
.border{ border-color:rgb(123, 231, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 231, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 231, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 231, 222);  
box-shadow:4px 4px 4px 4px rgb(123, 231,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6367, 0.2549, 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(123, 231, 222) }
```

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

```
.background{ background-color: rgb(123,  
231, 222) }
```

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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