

Converting Colors

$Yxy(66.6783, 0.2619, 0.3155)$

Have a look what the booklet for
Yxy(66.6783, 0.2619, 0.3155)
contains.

Yxy(66.7766, 0.2619, 0.3157)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.7766, 0.2619, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	9AE1EC
RGB	154, 225, 236
RGB Percent	60%, 88%, 93%
CMY	0.3960, 0.1177, 0.0744
CMYK	0.35, 0.05, 0.00, 0.07
HSL	188°, 68%, 76%
HSV	188°, 35%, 93%
XYZ	55.3969, 66.7766, 89.3457
YIQ	205.0250, -45.8470, -11.6310

Conversions

Conversions Part 2

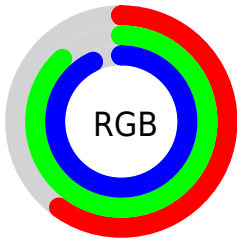
Format	Color
RYB	154, 192, 236
Decimal	10150380
CIELab	85.39, -19.37, -12.43
CIELCh	85, 23.018, 212.681
Yxy	66.7766, 0.2619, 0.3157
Android (android.graphics.Color)	4288340460 (0xFF9AE1EC)
YUV	205.0250, 15.2707, -44.7489
Hunter-Lab	81.7170, -21.9974, -7.6232

Details

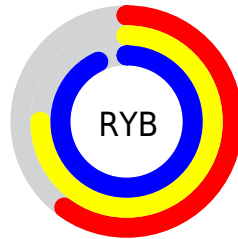
The Yxy color **66.7766, 0.2619, 0.3157** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.0978, 0.3911, 0.3417**, and the grayscale version is **60.9944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **34.6974, 0.2504, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **62.9860, 0.2495, 0.3113**, and if you desaturate by 10%, it is **71.0597, 0.2755, 0.3199**.

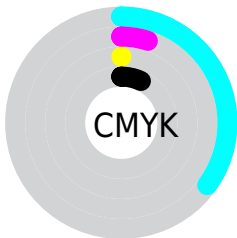
Distribution



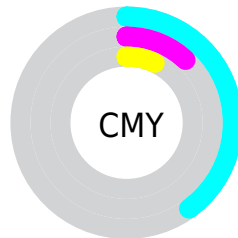
- Red (60%)
- Green (88%)
- Blue (93%)



- Red (60%)
- Yellow (75%)
- Blue (93%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (40%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7766, 0.2619, 0.3157 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 66.7766, 0.2619, 0.3157 by changing the saturation by 10% instead.


 66.7766, 0.2619,
0.3157

 66.7766, 0.2619,
0.3157


449.1492, 0.2854,
0.3224

 48.9031, 0.2566,
0.3140


 114.6002, 0.2700,
0.3181

 34.5426, 0.2500,
0.3119


 145.3192, 0.2732,
0.3191

 23.3108, 0.2417,
0.3091


181.0887, 0.2759,
0.3198

 14.8231, 0.2310,
0.3053

222.2932, 0.2783,
0.3205

 8.6954, 0.2165,
0.2997

269.3171, 0.2804,
0.3211

 4.5430, 0.1959,
0.2911

322.5448, 0.2822,

 1.9817, 0.1651,

0.3216

0.2761

382.3607, 0.2839,
0.3220

0.5968, 0.0406,
0.2569

0.0000, 0.0000,
0.0000

66.7766, 0.2619,
0.3157

66.7766, 0.2619,
0.3157

62.9860, 0.2495,
0.3113

71.0597, 0.2755,
0.3199

59.6530, 0.2387,
0.3067

75.8522, 0.2901,
0.3238

56.7505, 0.2296,
0.3019

81.1797, 0.3054,
0.3274

54.2448, 0.2224,
0.2971

87.0639, 0.3209,
0.3307

■ 52.0972, 0.2172,
0.2924

■ 90.1504, 0.3251,
0.3338

■ 50.2599, 0.2138,
0.2876

■ 92.0446, 0.3248,
0.3368

■ 49.3803, 0.2126,
0.2852

■ 93.9716, 0.3245,
0.3399

■ 95.9317, 0.3242,
0.3429

■ 97.9250, 0.3239,
0.3460

Harmonies

Analogous

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



66.7766, 0.2770, 0.3428



66.7766, 0.2619, 0.3157



66.7766, 0.2597, 0.2941

Triad

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



66.7766, 0.2619, 0.3157



66.7766, 0.3217, 0.2951



66.7766, 0.3551, 0.3764

Complementary

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



66.7766, 0.2619, 0.3157



47.0978, 0.3911, 0.3417

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.



66.7766, 0.3685, 0.3609



66.7766, 0.2619, 0.3157



66.7766, 0.3489, 0.3147

Square

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



66.7766, 0.2619, 0.3157



66.7766, 0.2932, 0.2836



66.7766, 0.3663, 0.3384



66.7766, 0.3305, 0.3792

Rectangle

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



66.7766, 0.2619, 0.3157



66.7766, 0.2658, 0.2853



66.7766, 0.3663, 0.3384



66.7766, 0.3611, 0.3724

Sweetspot

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



66.7792, 0.2619, 0.3157



93.3120, 0.2972, 0.3255



69.5930, 0.3018, 0.4190



19.7828, 0.2951, 0.3250



0.0000, 0.0000, 0.0000



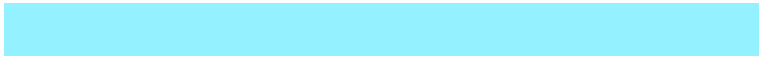
21.4041, 0.3127, 0.3290

Same Dimension

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



66.7792, 0.2619, 0.3157



76.1794, 0.2526, 0.3124



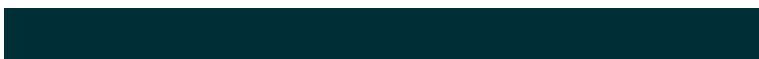
47.2468, 0.2550, 0.2640



16.7562, 0.2981, 0.3257



27.3520, 0.2128, 0.2859



2.2435, 0.2146, 0.2925

Inverse Universe

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



46.3906, 0.3262, 0.2533



48.7353, 0.3297, 0.2376



64.2929, 0.3754, 0.3862



15.2769, 0.3158, 0.3089



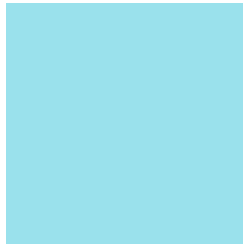
12.2540, 0.3580, 0.1746



0.9719, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 66.7766, 0.2619, 0.3157 looks on a white background.

Color Contrast Check

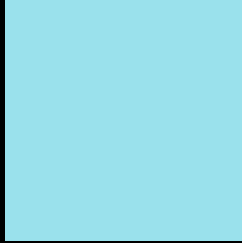
Large Text (above 18pt) WCAG AA × Fail

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 66.7766, 0.2619, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

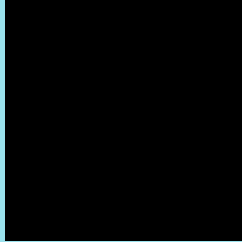
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7766, 0.2619, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 66.7766, 0.2619, 0.3157.



This preview shows how white text looks on a background with the Yxy color 66.7766, 0.2619, 0.3157.

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

66.7766, 0.2619, 0.3157

Protanopia

66.1316, 0.3027, 0.3112

Deuteranopia

66.1326, 0.2998, 0.2935



Tritanopia

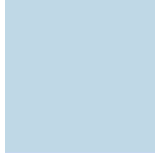
66.7900, 0.2597, 0.3076

Trichromacy



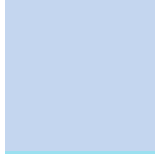
Original Color

66.7766, 0.2619, 0.3157



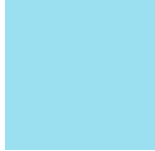
Protanomaly

65.9013, 0.2864, 0.3129



Deuteranomaly

66.0609, 0.2841, 0.3009



Tritanomaly

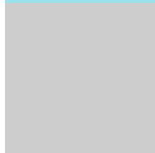
66.5711, 0.2602, 0.3099

Monochromacy



Original Color

66.7766, 0.2619, 0.3157



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

62.4839, 0.2915, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7766, 0.2619, 0.3157 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(154, 225, 236)` looks like.

```
.text, #text, p{  
    color:rgb(154, 225, 236)  
}
```

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(154, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 225, 236) }
```

Border

The CSS property to change the border of an element to Yxy 66.7766, 0.2619, 0.3157 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(154, 225, 236) }
```

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

```
.border{ border-color:rgb(154, 225, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 225, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 225, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 225, 236); box-shadow:4px 4px 4px 4px rgb(154, 225, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7766, 0.2619, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 225, 236) }
```

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

```
.background{ background-color: rgb(154,  
225, 236) }
```

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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