Converting Colors

Yxy(71.3519, 0.2633, 0.3165)

Have a look what the booklet for Yxy(71.3519, 0.2633, 0.3165) contains.

Color

Yxy(71.1397, 0.2635, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	A1E7F2
RGB	161, 231, 242
RGB Percent	63%, 91%, 95%
CMY	0.3686, 0.0941, 0.0510
CMYK	0.33, 0.05, 0.00, 0.05
HSL	188°, 76%, 79%
HSV	188°, 33%, 95%
XYZ	59.3018, 71.1397, 94.6129
YIQ	211.3240, -45.2510, -11.4190

Conversions

Conversions Part 2

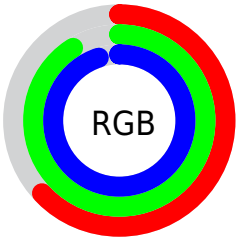
Format	Color
RYB	161, 199, 242
Decimal	10610674
CIELab	87.55, -19.10, -12.31
CIELCh	88, 22.724, 212.804
Yxy	71.1397, 0.2635, 0.3161
Android (android.graphics.Color)	4288800754 (0xFFA1E7F2)
YUV	211.3240, 15.1233, -44.1341
Hunter-Lab	84.3444, -22.1007, -7.4672

Details

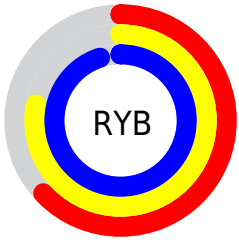
The Yxy color 71.1397, 0.2635, 0.3161 is a light color, and the websafe version is hex 99CCCC. A complement of this color would be 50.9601, 0.3872, 0.3414, and the grayscale version is 65.2898, 0.3127, 0.3290.

A 20% lighter version of the original color is 93.6454, 0.2906, 0.3289, and 37.2693, 0.2523, 0.3120 is the 20% darker color. If you saturate the color by 10%, you get 67.0438, 0.2509, 0.3116, and if you desaturate by 10%, it is 75.7623, 0.2773, 0.3203.

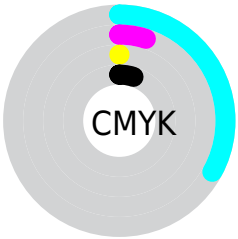
Distribution



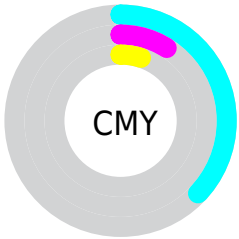
- Red (63%)
- Green (91%)
- Blue (95%)



- Red (63%)
- Yellow (78%)
- Blue (95%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (37%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1397, 0.2635, 0.3161 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 71.1397, 0.2635, 0.3161 by changing the saturation by 10% instead.

71.1397, 0.2635, 0.3161

71.1397, 0.2635, 0.3161

464.5416, 0.2860, 0.3225

52.4562, 0.2584, 0.3145

120.8326, 0.2712, 0.3184

37.3688, 0.2523, 0.3125

152.6108, 0.2743, 0.3193

25.4932, 0.2445, 0.3099

189.5228, 0.2769, 0.3200

16.4449, 0.2344, 0.3064

231.9528, 0.2792, 0.3207

9.8395, 0.2210, 0.3013

280.2853, 0.2812, 0.3212

5.2927, 0.2023, 0.2936

334.9047, 0.2830,

2.4200, 0.1744,

0.3217

0.2806

396.1953, 0.2845, 0.3221

0.8361, 0.1032, 0.2628

0.0000, 0.0000, 0.0000

71.1397, 0.2635, 0.3161

71.1397, 0.2635, 0.3161

67.0438, 0.2509, 0.3116

75.7623, 0.2773, 0.3203

63.4379, 0.2398, 0.3070

80.9293, 0.2920, 0.3242

60.2935, 0.2305, 0.3022

86.6678, 0.3073, 0.3278

57.5754, 0.2231, 0.2974

92.4638, 0.3211, 0.3311

55.2432, 0.2176, 0.2925

53.2475, 0.2140, 0.2877

52.0777, 0.2124, 0.2847

94.4613, 0.3208, 0.3343

96.4943, 0.3206, 0.3374

98.5630, 0.3203, 0.3405

99.1911, 0.3203, 0.3415

Harmonies

Analogous

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

71.1397, 0.2781, 0.3422

71.1397, 0.2635, 0.3161

71.1397, 0.2614, 0.2952

Triad

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

71.1397, 0.2635, 0.3161

71.1397, 0.3216, 0.2962

71.1397, 0.3537, 0.3749

Complementary

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

71.1397, 0.2635, 0.3161

50.9601, 0.3872, 0.3414

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.

71.1397, 0.3666, 0.3600

71.1397, 0.2635, 0.3161

71.1397, 0.3478, 0.3153

Square

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

71.1397, 0.2635, 0.3161

71.1397, 0.2940, 0.2850

71.1397, 0.3645, 0.3382

71.1397, 0.3299, 0.3774

Rectangle

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

71.1397, 0.2635, 0.3161

71.1397, 0.2673, 0.2867

71.1397, 0.3645, 0.3382

71.1397, 0.3595, 0.3711

Sweetspot

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

71.1425, 0.2635, 0.3161

93.2903, 0.2972, 0.3255

74.0562, 0.3022, 0.4153

19.7775, 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.

71.1425, 0.2635, 0.3161

76.9891, 0.2550, 0.3132

51.1226, 0.2571, 0.2667

17.5414, 0.2981, 0.3257

28.1241, 0.2126, 0.2854

2.4399, 0.2144, 0.2917

Inverse Universe

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

50.1401, 0.3257, 0.2560

50.4020, 0.3289, 0.2419

68.6916, 0.3728, 0.3841

15.9923, 0.3159, 0.3088

12.6325, 0.3585, 0.1748

1.0610, 0.3528, 0.1717

Previews

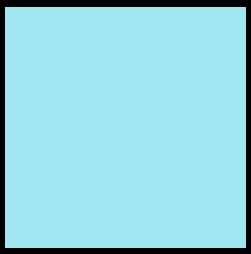
White Background

This preview shows how the Yxy color 71.1397, 0.2635, 0.3161 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



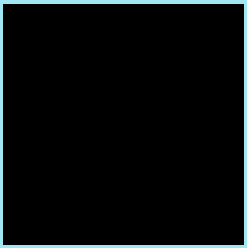
This preview shows how the Yxy color 71.1397, 0.2635, 0.3161 looks on a black background.

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 71.1397, 0.2635, 0.3161 Background



This preview shows how black text looks on a background with the Yxy color 71.1397, 0.2635, 0.3161.

This preview shows how white text looks on a background with the Yxy color 71.1397, 0.2635, 0.3161.

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
71.1397, 0.2635, 0.3161

Protanopia
70.4143, 0.3029, 0.3117

Deuteranopia
70.5732, 0.3008, 0.2944

Tritanopia
71.1575, 0.2614, 0.3082

Trichromacy

Original Color
71.1397, 0.2635, 0.3161

Protanomaly
70.1690, 0.2870, 0.3133

Deuteranomaly
70.4755, 0.2855, 0.3016

Tritanomaly
70.9288, 0.2619, 0.3104

Monochromacy

Original Color
71.1397, 0.2635, 0.3161

Achromatopsia
65.1406, 0.3127, 0.3290

Achromatomaly
66.7542, 0.2927, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1397, 0.2635, 0.3161 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(161, 231, 242) looks like.

```
.text, #text, p{
    color:rgb(161, 231, 242)
}
```

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(161, 231, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 231, 242) }
```

Border

The CSS property to change the border of an element to Yxy 71.1397, 0.2635, 0.3161 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(161, 231, 242) }
```

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

```
.border{ border-color:rgb(161, 231, 242) }
```

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

Here you see how a box with a 4 pixel rgb(161, 231, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 231, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 231, 242); box-shadow:4px 4px 4px 4px rgb(161, 231, 242) }
```

Background

The CSS property to change the background color of an element to Yxy 71.1397, 0.2635, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(161, 231, 242) }
```

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

```
.background{ background-color:rgb(161,
231, 242) }
```

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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