Converting Colors

Yxy(78.1869, 0.2896, 0.3556)

Have a look what the booklet for Yxy(78.1869, 0.2896, 0.3556) contains.

Color

Yxy(78.0398, 0.2896, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	B7F1DA
RGB	183, 241, 218
RGB Percent	72%, 95%, 85%
CMY	0.2826, 0.0548, 0.1451
CMYK	0.24, 0.00, 0.10, 0.05
HSL	156°, 68%, 83%
HSV	156°, 24%, 95%
XYZ	63.6270, 78.0398, 78.0398
YIQ	221.0360, -27.1850, -19.4490

Conversions

Conversions Part 2

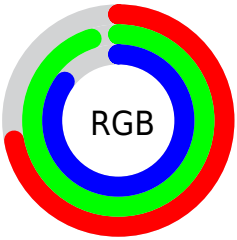
Format	Color
RYB	183, 219, 241
Decimal	12055002
CIELab	90.80, -22.94, 5.15
CIELCh	91, 23.515, 167.349
Yxy	78.0398, 0.2896, 0.3552
Android (android.graphics.Color)	4290245082 (0xFFB7F1DA)
YUV	221.0360, -1.4967, -33.3576
Hunter-Lab	88.3401, -26.0305, 9.4612

Details

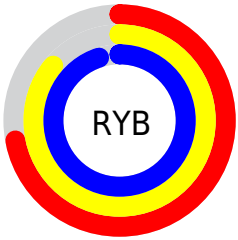
The Yxy color 78.0398, 0.2896, 0.3552 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 56.9986, 0.3435, 0.3043, and the grayscale version is 72.3513, 0.3127, 0.3290.

A 20% lighter version of the original color is 97.2653, 0.3035, 0.3290, and 42.0094, 0.2845, 0.3620 is the 20% darker color. If you saturate the color by 10%, you get 74.8518, 0.2810, 0.3680, and if you desaturate by 10%, it is 81.7690, 0.2989, 0.3435.

Distribution

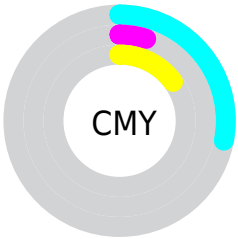


- Red (72%)
- Green (95%)
- Blue (85%)



- Red (72%)
- Yellow (86%)
- Blue (95%)

- Cyan (24%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (28%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0398, 0.2896, 0.3552 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 78.0398, 0.2896, 0.3552 by changing the saturation by 10% instead.

78.0398, 0.2896, 0.3552

78.0398, 0.2896, 0.3552

488.3020, 0.3003, 0.3430

58.1067, 0.2872, 0.3580

130.6062, 0.2933, 0.3510

41.8944, 0.2842, 0.3615

164.0083, 0.2947, 0.3493

29.0186, 0.2804, 0.3659

202.6688, 0.2960, 0.3479

19.0949, 0.2754, 0.3717

246.9722, 0.2971, 0.3467

11.7389, 0.2687, 0.3797

297.3028, 0.2980, 0.3456

6.5661, 0.2590, 0.3914

354.0451, 0.2988,

3.1923, 0.2438,

0.3446

0.4099

417.5833, 0.2996, 0.3438

1.2329, 0.2094, 0.4482

0.0884, 0.0000, 1.0000

78.0398, 0.2896, 0.3552

78.0398, 0.2896, 0.3552

74.8518, 0.2810, 0.3680

81.7690, 0.2989, 0.3435

72.1691, 0.2735, 0.3817

86.0542, 0.3086, 0.3330

69.9664, 0.2674, 0.3964

90.8756, 0.3184, 0.3236

68.2122, 0.2629, 0.4116

91.4015, 0.3133, 0.3156

66.8712, 0.2603, 0.4272

65.9023, 0.2599, 0.4428

65.2558, 0.2614, 0.4580

64.9816, 0.2630, 0.4668

Harmonies

Analogous

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

78.0398, 0.3165, 0.3735

78.0398, 0.2896, 0.3552

78.0398, 0.2695, 0.3294

Triad

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

78.0398, 0.2896, 0.3552

78.0398, 0.2816, 0.2831

78.0398, 0.3677, 0.3493

Complementary

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

78.0398, 0.2896, 0.3552

56.9986, 0.3435, 0.3043

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.

78.0398, 0.3577, 0.3262

78.0398, 0.2896, 0.3552

78.0398, 0.3070, 0.2892

Square

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

78.0398, 0.2896, 0.3552

78.0398, 0.2650, 0.2884

78.0398, 0.3350, 0.3046

78.0398, 0.3622, 0.3686

Rectangle

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

78.0398, 0.2896, 0.3552

78.0398, 0.2622, 0.3124

78.0398, 0.3350, 0.3046

78.0398, 0.3661, 0.3418

Sweetspot

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

78.0430, 0.2896, 0.3552

96.3231, 0.3058, 0.3360

79.4838, 0.3248, 0.3942

20.5525, 0.3052, 0.3366

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.

78.0430, 0.2896, 0.3552

86.8241, 0.2852, 0.3614

75.9485, 0.2766, 0.3224

17.8167, 0.3034, 0.3385

35.2593, 0.2623, 0.4644

2.9528, 0.2568, 0.4445

Inverse Universe

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

56.9986, 0.3435, 0.3043

58.9989, 0.3519, 0.2989

58.4056, 0.3617, 0.3355

15.8626, 0.3231, 0.3197

10.6188, 0.5392, 0.2744

0.9025, 0.5043, 0.2552

Previews

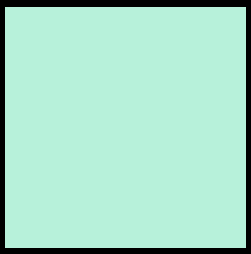
White Background

This preview shows how the Yxy color 78.0398, 0.2896, 0.3552 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



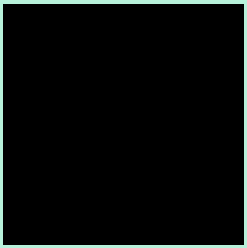
This preview shows how the Yxy color 78.0398, 0.2896, 0.3552 looks on a black background.

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 78.0398, 0.2896, 0.3552 Background



This preview shows how black text looks on a background with the Yxy color 78.0398, 0.2896, 0.3552.

This preview shows how white text looks on a background with the Yxy color 78.0398, 0.2896, 0.3552.

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
78.0398, 0.2896, 0.3552

Protanopia
77.4242, 0.3302, 0.3470

Deuteranopia
77.1558, 0.3345, 0.3270

Tritanopia
78.1581, 0.2733, 0.3083

Trichromacy

Original Color
78.0398, 0.2896, 0.3552

Protanomaly
77.2690, 0.3145, 0.3497

Deuteranomaly
77.0382, 0.3165, 0.3365

Tritanomaly
78.1247, 0.2787, 0.3245

Monochromacy

Original Color
78.0398, 0.2896, 0.3552

Achromatopsia
72.3055, 0.3127, 0.3290

Achromatomaly
73.9195, 0.3035, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0398, 0.2896, 0.3552 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(183, 241, 218) looks like.

```
.text, #text, p{
    color:rgb(183, 241, 218)
}
```

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(183, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 241, 218) }
```

Border

The CSS property to change the border of an element to Yxy 78.0398, 0.2896, 0.3552 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(183, 241, 218) }
```

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

```
.border{ border-color:rgb(183, 241, 218) }
```

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

Here you see how a box with a 4 pixel rgb(183, 241, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 241, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 241, 218); box-shadow:4px 4px 4px 4px rgb(183, 241, 218) }
```

Background

The CSS property to change the background color of an element to Yxy 78.0398, 0.2896, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(183, 241, 218) }
```

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

```
.background{ background-color:rgb(183,
241, 218) }
```

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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