

Converting Colors

$Yxy(71.8049, 0.2909, 0.3422)$

Have a look what the booklet for
Yxy(71.8049, 0.2909, 0.3422)
contains.

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Color

Yxy(72.0947, 0.2910, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	BAE6DA
RGB	186, 230, 218
RGB Percent	73%, 90%, 85%
CMY	0.2706, 0.0980, 0.1451
CMYK	0.19, 0.00, 0.05, 0.10
HSL	164°, 47%, 82%
HSV	164°, 19%, 90%
XYZ	61.2006, 72.0947, 77.0160
YIQ	215.4760, -22.3720, -13.0600

Conversions

Conversions Part 2

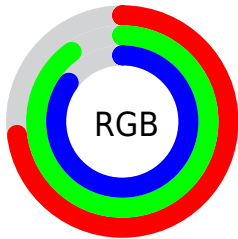
Format	Color
RYB	186, 211, 230
Decimal	12248794
CIELab	88.01, -16.58, 1.14
CIELCh	88, 16.616, 176.078
Yxy	72.0947, 0.2910, 0.3428
Android (android.graphics.Color)	4290438874 (0xFFBAE6DA)
YUV	215.4760, 1.2443, -25.8505
Hunter-Lab	84.9086, -19.9305, 5.6573

Details

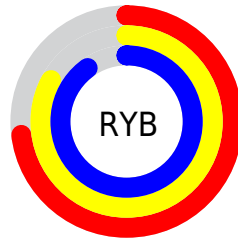
The Yxy color **72.0947, 0.2910, 0.3428** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.0197, 0.3403, 0.3157**, and the grayscale version is **68.2988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **37.8220, 0.2858, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **69.1226, 0.2806, 0.3510**, and if you desaturate by 10%, it is **75.5489, 0.3021, 0.3353**.

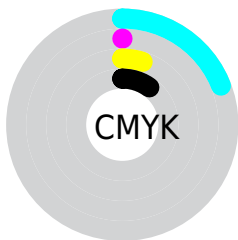
Distribution



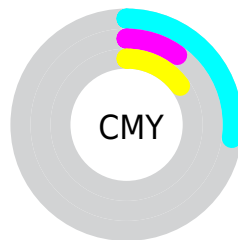
- Red (73%)
- Green (90%)
- Blue (85%)



- Red (73%)
- Yellow (83%)
- Blue (90%)



- Cyan (19%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)



- Cyan (27%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0947, 0.2910, 0.3428 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 72.0947, 0.2910, 0.3428 by changing the saturation by 10% instead.

 72.0947, 0.2910,
0.3428

 72.0947, 0.2910,
0.3428


467.8712, 0.3011,
0.3364

 53.2360, 0.2887,
0.3443

 122.1912, 0.2945,
0.3406

 37.9912, 0.2858,
0.3461


154.1977, 0.2959,
0.3397

 25.9759, 0.2822,
0.3484


191.3558, 0.2970,
0.3389

 16.8056, 0.2774,
0.3515

234.0496, 0.2981,
0.3383

 10.0960, 0.2709,
0.3557

282.6637, 0.2989,
0.3377

 5.4626, 0.2615,
0.3619

337.5824, 0.2997,

 2.5212, 0.2465,

0.3372

0.3718

399.1901, 0.3004,
0.3368

0.8872, 0.1982,
0.4010

0.0000, 0.0000,
0.0000

72.0947, 0.2910,
0.3428

72.0947, 0.2910,
0.3428

69.1226, 0.2806,
0.3510

75.5489, 0.3021,
0.3353

66.6013, 0.2712,
0.3599


79.4970, 0.3137,
0.3284


64.5098, 0.2632,
0.3694


83.9611, 0.3255,
0.3223


62.8216, 0.2568,
0.3793


84.3341, 0.3215,
0.3162


 61.5075, 0.2522,
0.3895


 84.7201, 0.3174,
0.3102

 60.5340, 0.2496,
0.3999

 85.0768, 0.3138,
0.3048

 59.8616, 0.2491,
0.4102

 59.4286, 0.2502,
0.4205

 59.3955, 0.2504,
0.4213

Harmonies

Analogous

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



72.0947, 0.3098, 0.3579



72.0947, 0.2910, 0.3428



72.0947, 0.2782, 0.3240

Triad

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



72.0947, 0.2910, 0.3428



72.0947, 0.2950, 0.2957



72.0947, 0.3525, 0.3488

Complementary

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



72.0947, 0.2910, 0.3428



56.0197, 0.3403, 0.3157

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.



72.0947, 0.3484, 0.3323



72.0947, 0.2910, 0.3428



72.0947, 0.3147, 0.3023

Square

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



72.0947, 0.2910, 0.3428



72.0947, 0.2805, 0.2974



72.0947, 0.3344, 0.3155



72.0947, 0.3455, 0.3608

Rectangle

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



72.0947, 0.2910, 0.3428



72.0947, 0.2746, 0.3124



72.0947, 0.3344, 0.3155



72.0947, 0.3524, 0.3436

Sweetspot

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



72.0977, 0.2910, 0.3428



96.9468, 0.3057, 0.3331



72.2115, 0.3188, 0.3801



20.6825, 0.3049, 0.3335



0.0000, 0.0000, 0.0000



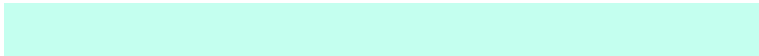
21.4041, 0.3127, 0.3290

Same Dimension

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



72.0977, 0.2910, 0.3428



89.5344, 0.2867, 0.3460



67.5868, 0.2834, 0.3179



16.2657, 0.3018, 0.3355



33.6461, 0.2499, 0.4197



2.5017, 0.2458, 0.4048

Inverse Universe

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



56.0197, 0.3403, 0.3157



65.6694, 0.3475, 0.3127



59.6395, 0.3483, 0.3398



14.4323, 0.3250, 0.3226



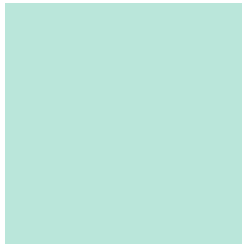
9.7436, 0.5850, 0.2996



0.7353, 0.5433, 0.2767

Previews

White Background



This preview shows how the Yxy color 72.0947, 0.2910, 0.3428 looks on a white background.

Color Contrast Check

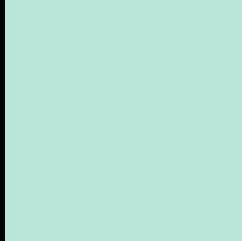
Large Text (above 18pt) WCAG AA × Fail

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 72.0947, 0.2910, 0.3428 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

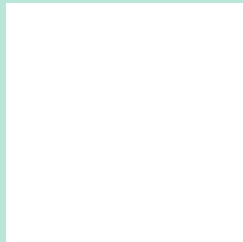
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0947, 0.2910, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 72.0947, 0.2910, 0.3428.

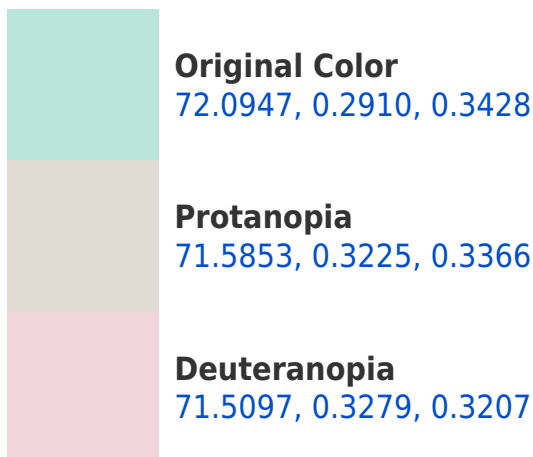


This preview shows how white text looks on a background with the Yxy color 72.0947, 0.2910, 0.3428.

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





Tritanopia

72.0007, 0.2789, 0.3089

Trichromacy



Original Color

72.0947, 0.2910, 0.3428

Protanomaly

71.4793, 0.3101, 0.3390

Deuteranomaly

71.2025, 0.3135, 0.3279

Tritanomaly

71.7551, 0.2829, 0.3199

Monochromacy



Original Color

72.0947, 0.2910, 0.3428

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.9816, 0.3041, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0947, 0.2910, 0.3428 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(186, 230, 218)` looks like.

```
.text, #text, p{  
    color:rgb(186, 230, 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(186, 230, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 230, 218) }
```

Border

The CSS property to change the border of an element to Yxy 72.0947, 0.2910, 0.3428 is called "border". The border property can be set on classes, ids or directly on the HTML element.

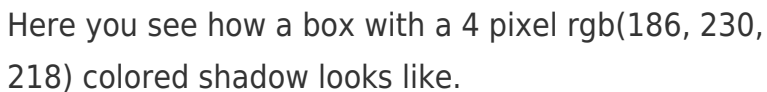
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 230, 218) }
```

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

```
.border{ border-color:rgb(186, 230, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 230, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 230, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 230, 218); box-shadow:4px 4px 4px 4px rgb(186, 230, 218) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.0947, 0.2910, 0.3428$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 230, 218) }
```

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

```
.background{ background-color: rgb(186,  
230, 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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