

Converting Colors

$Yxy(72.5556, 0.2776, 0.3289)$

Have a look what the booklet for
Yxy(72.5556, 0.2776, 0.3289)
contains.

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Color

Yxy(72.7695, 0.2772, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	B0E8E8
RGB	176, 232, 232
RGB Percent	69%, 91%, 91%
CMY	0.3097, 0.0902, 0.0902
CMYK	0.24, 0.00, 0.00, 0.09
HSL	180°, 55%, 80%
HSV	180°, 24%, 91%
XYZ	61.3308, 72.7695, 87.1508
YIQ	215.2560, -33.3760, -11.8720

Conversions

Conversions Part 2

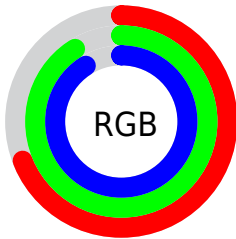
Format	Color
RYB	176, 204, 232
Decimal	11593960
CIELab	88.34, -17.67, -5.80
CIELCh	88, 18.594, 198.184
Yxy	72.7695, 0.2772, 0.3289
Android (android.graphics.Color)	4289784040 (0xFFB0E8E8)
YUV	215.2560, 8.2548, -34.4275
Hunter-Lab	85.3050, -20.9497, -0.8594

Details

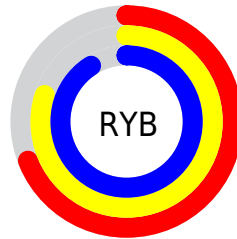
The Yxy color **72.7695, 0.2772, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.3558, 0.3631, 0.3291**, and the grayscale version is **68.1030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **38.3228, 0.2694, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **70.2944, 0.2645, 0.3289**, and if you desaturate by 10%, it is **75.7127, 0.2912, 0.3289**.

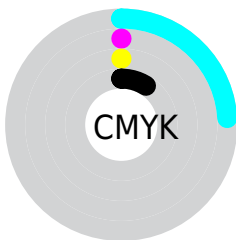
Distribution



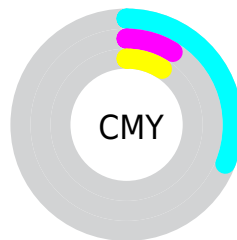
- Red (69%)
- Green (91%)
- Blue (91%)



- Red (69%)
- Yellow (80%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7695, 0.2772, 0.3289 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 72.7695, 0.2772, 0.3289 by changing the saturation by 10% instead.


 72.7695, 0.2772,
0.3289

 72.7695, 0.2772,
0.3289


470.2155, 0.2935,
0.3292

 53.7875, 0.2735,
0.3288


 123.1499, 0.2828,
0.3290

 38.4318, 0.2690,
0.3286


155.3172, 0.2850,
0.3291

 26.3180, 0.2633,
0.3284


192.6483, 0.2869,
0.3291

 17.0617, 0.2559,
0.3280

235.5276, 0.2886,
0.3291

 10.2785, 0.2459,
0.3273

284.3396, 0.2900,
0.3291

 5.5840, 0.2317,
0.3261

339.4687, 0.2913,

 2.5938, 0.2100,

0.3292

401.2992, 0.2925,
0.3292

0.3236

0.9236, 0.1564,
0.3237

0.0000, 0.0000,
0.0000

72.7695, 0.2772,
0.3289

72.7695, 0.2772,
0.3289

70.2944, 0.2645,
0.3289

75.7127, 0.2912,
0.3289

68.2551, 0.2533,
0.3288


79.1368, 0.3063,
0.3290


66.6288, 0.2439,
0.3288

83.0655, 0.3220,
0.3290


65.3875, 0.2364,
0.3288

84.7990, 0.3285,
0.3290


 64.4994, 0.2308,
0.3288


 84.7991, 0.3285,
0.3290


 63.9278, 0.2272,
0.3288

 84.7993, 0.3285,
0.3290

 63.6279, 0.2253,
0.3288

 84.7994, 0.3285,
0.3290

 63.5373, 0.2247,
0.3288

 84.7995, 0.3285,
0.3290

 84.7997, 0.3285,
0.3290

Harmonies

Analogous

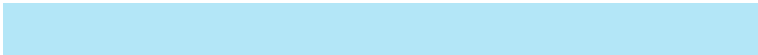
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7695, 0.2935, 0.3495



72.7695, 0.2772, 0.3289



72.7695, 0.2702, 0.3092

Triad

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



72.7695, 0.2772, 0.3289



72.7695, 0.3088, 0.2967



72.7695, 0.3525, 0.3616

Complementary

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



72.7695, 0.2772, 0.3289



51.3558, 0.3631, 0.3291

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.



72.7695, 0.3572, 0.3463



72.7695, 0.2772, 0.3289



72.7695, 0.3314, 0.3096

Square

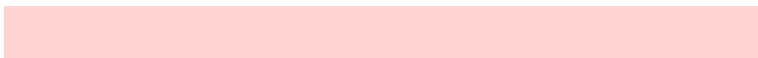
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7695, 0.2772, 0.3289



72.7695, 0.2880, 0.2916



72.7695, 0.3494, 0.3275



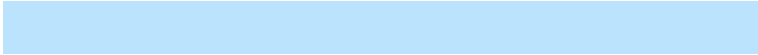
72.7695, 0.3370, 0.3686

Rectangle

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



72.7695, 0.2772, 0.3289



72.7695, 0.2716, 0.2993



72.7695, 0.3494, 0.3275



72.7695, 0.3554, 0.3572

Sweetspot

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



72.7725, 0.2772, 0.3289



96.7702, 0.3018, 0.3290



70.1917, 0.3101, 0.3971



20.6563, 0.3009, 0.3290



0.0000, 0.0000, 0.0000



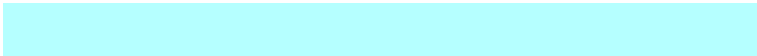
21.4041, 0.3127, 0.3290

Same Dimension

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



72.7725, 0.2772, 0.3289



88.5693, 0.2706, 0.3289



58.6985, 0.2745, 0.2967



16.3364, 0.2982, 0.3290



35.2738, 0.2247, 0.3288



2.6066, 0.2247, 0.3288

Inverse Universe

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



51.3558, 0.3631, 0.3291



57.6667, 0.3774, 0.3292



63.0430, 0.3561, 0.3592



14.3680, 0.3293, 0.3290



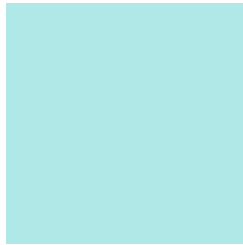
9.5243, 0.6401, 0.3300



0.7038, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 72.7695, 0.2772, 0.3289 looks on a white background.

Color Contrast Check

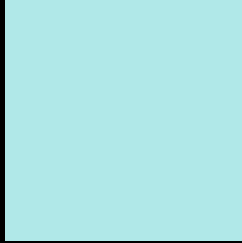
Large Text (above 18pt) WCAG AA × Fail

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 72.7695, 0.2772, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

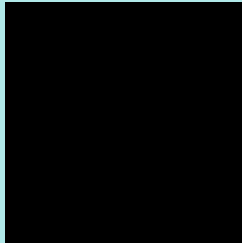
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.7695, 0.2772, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 72.7695, 0.2772, 0.3289.

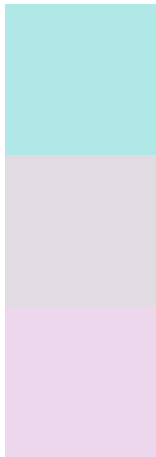


This preview shows how white text looks on a background with the Yxy color 72.7695, 0.2772, 0.3289.

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

72.7695, 0.2772, 0.3289

Protanopia

72.4699, 0.3123, 0.3236

Deuteranopia

72.4899, 0.3137, 0.3072



Tritanopia

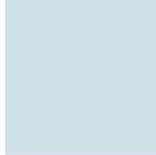
72.9546, 0.2701, 0.3087

Trichromacy



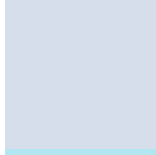
Original Color

72.7695, 0.2772, 0.3289



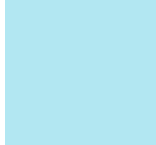
Protanomaly

72.1781, 0.2985, 0.3245



Deuteranomaly

72.0072, 0.2989, 0.3138



Tritanomaly

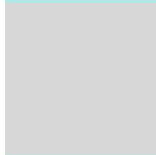
73.0276, 0.2728, 0.3164

Monochromacy



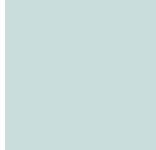
Original Color

72.7695, 0.2772, 0.3289



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

69.3509, 0.2988, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7695, 0.2772, 0.3289 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(176, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 232)  
}
```

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(176, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 232) }
```

Border

The CSS property to change the border of an element to Yxy 72.7695, 0.2772, 0.3289 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(176, 232, 232) }
```

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

```
.border{ border-color:rgb(176, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 232,  
232) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.7695, 0.2772, 0.3289$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 232, 232) }
```

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

```
.background{ background-color: rgb(176,  
232, 232) }
```

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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