

Converting Colors

$Yxy(71.9822, 0.2691, 0.3561)$

Have a look what the booklet for
Yxy(71.9822, 0.2691, 0.3561)
contains.

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Color

Yxy(72.0362, 0.2690, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	90EED8
RGB	144, 238, 216
RGB Percent	56%, 93%, 85%
CMY	0.4351, 0.0667, 0.1529
CMYK	0.39, 0.00, 0.09, 0.07
HSL	166°, 73%, 75%
HSV	166°, 39%, 93%
XYZ	54.4778, 72.0362, 76.0056
YIQ	207.3860, -48.9620, -26.7700

Conversions

Conversions Part 2

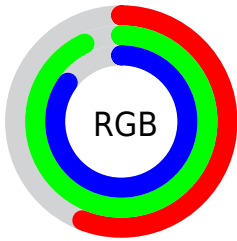
Format	Color
RYB	144, 197, 238
Decimal	9498328
CIELab	87.99, -32.88, 1.87
CIElCh	88, 32.935, 176.744
Yxy	72.0362, 0.2690, 0.3557
Android (android.graphics.Color)	4287688408 (0xFF90EED8)
YUV	207.3860, 4.2467, -55.5895
Hunter-Lab	84.8741, -33.9568, 6.3172

Details

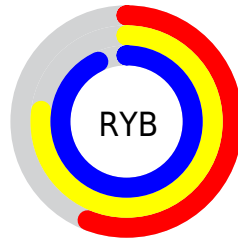
The Yxy color **72.0362, 0.2690, 0.3557** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.8923, 0.3883, 0.3046**, and the grayscale version is **62.6632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **38.1038, 0.2591, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **69.8331, 0.2607, 0.3638**, and if you desaturate by 10%, it is **74.7066, 0.2787, 0.3481**.

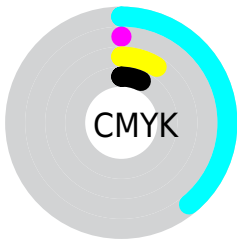
Distribution



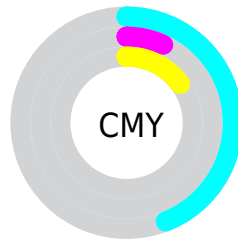
- Red (56%)
- Green (93%)
- Blue (85%)



- Red (56%)
- Yellow (77%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)




- Cyan (44%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0362, 0.2690, 0.3557 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 72.0362, 0.2690, 0.3557 by changing the saturation by 10% instead.


 72.0362, 0.2690,
0.3557


 72.0362, 0.2690,
0.3557


467.6676, 0.2893,
0.3432

 53.1882, 0.2644,
0.3586

 122.1080, 0.2760,
0.3514

 37.9531, 0.2587,
0.3621

 154.1006, 0.2788,
0.3497

 25.9463, 0.2514,
0.3667


191.2436, 0.2811,
0.3482

 16.7834, 0.2420,
0.3726

233.9213, 0.2832,
0.3470

 10.0802, 0.2291,
0.3808

282.5182, 0.2850,
0.3459

 5.4522, 0.2107,
0.3926


337.4186, 0.2866,

 2.5149, 0.1824,

0.3449

0.4113


399.0069, 0.2880,
0.3440


 0.8841, 0.0214,
0.5042


 0.0000, 0.0000,
0.0000


 72.0362, 0.2690,
0.3557

 72.0362, 0.2690,
0.3557


 69.8331, 0.2607,
0.3638

 74.7066, 0.2787,
0.3481

 68.0598, 0.2540,
0.3722


 77.8619, 0.2896,
0.3411


 66.6874, 0.2492,
0.3808


 81.5291, 0.3012,
0.3346

 65.6793, 0.2464,
0.3896


 85.7308, 0.3134,
0.3287

 64.9922, 0.2456,
0.3983


 88.9300, 0.3204,
0.3233

 64.5571, 0.2464,
0.4070

 89.2732, 0.3169,
0.3180

 64.5368, 0.2465,
0.4074

 89.6267, 0.3135,
0.3127

 89.6269, 0.3135,
0.3127

Harmonies

Analogous

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



72.0362, 0.3049, 0.3880



72.0362, 0.2690, 0.3557



72.0362, 0.2456, 0.3167

Triad

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



72.0362, 0.2690, 0.3557



72.0362, 0.2783, 0.2656



72.0362, 0.3919, 0.3663

Complementary

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



72.0362, 0.2690, 0.3557



40.8923, 0.3883, 0.3046

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.



72.0362, 0.3846, 0.3344



72.0362, 0.2690, 0.3557



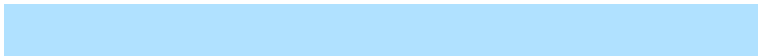
72.0362, 0.3167, 0.2786

Square

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



72.0362, 0.2690, 0.3557



72.0362, 0.2508, 0.2672



72.0362, 0.3563, 0.3032



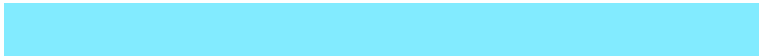
72.0362, 0.3766, 0.3913

Rectangle

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



72.0362, 0.2690, 0.3557



72.0362, 0.2393, 0.2940



72.0362, 0.3563, 0.3032



72.0362, 0.3921, 0.3560

Sweetspot

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



72.0391, 0.2690, 0.3557



94.1986, 0.2982, 0.3362



71.4360, 0.3217, 0.4449



20.0390, 0.2966, 0.3370



0.0000, 0.0000, 0.0000



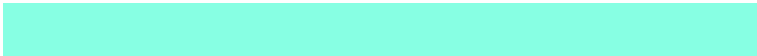
21.4041, 0.3127, 0.3290

Same Dimension

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



72.0391, 0.2690, 0.3557



82.2269, 0.2624, 0.3619



60.4580, 0.2538, 0.3001



17.8620, 0.3012, 0.3346



36.0273, 0.2461, 0.4061



3.0123, 0.2430, 0.3946

Inverse Universe

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



40.8923, 0.3883, 0.3046



41.2812, 0.4111, 0.3001



48.0258, 0.4014, 0.3556



15.8195, 0.3256, 0.3235



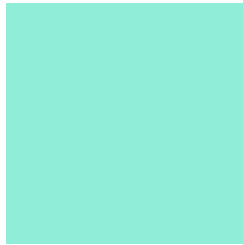
10.3152, 0.5978, 0.3067



0.8730, 0.5613, 0.2866

Previews

White Background



This preview shows how the Yxy color 72.0362, 0.2690, 0.3557 looks on a white background.

Color Contrast Check

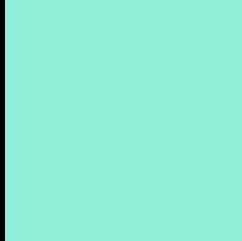
Large Text (above 18pt) WCAG AA × Fail

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 72.0362, 0.2690, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

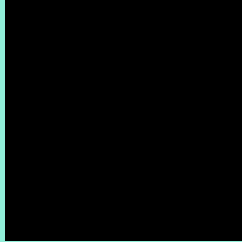
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

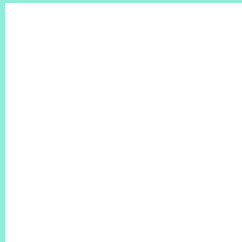
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0362, 0.2690, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 72.0362, 0.2690, 0.3557.

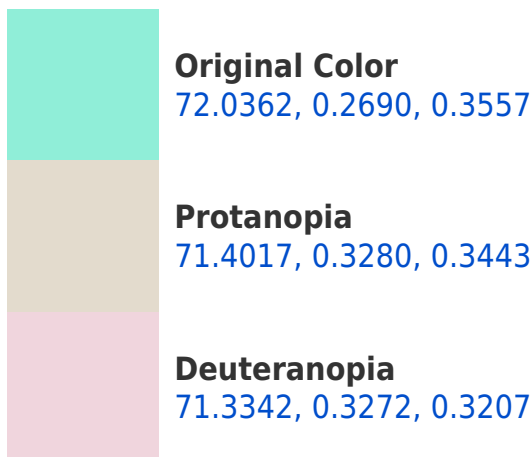


This preview shows how white text looks on a background with the Yxy color 72.0362, 0.2690, 0.3557.

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

72.0784, 0.2549, 0.3070

Trichromacy



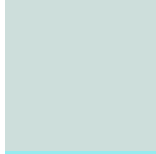
Original Color

72.0362, 0.2690, 0.3557



Protanomaly

70.8665, 0.3036, 0.3485



Deuteranomaly

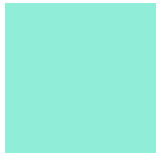
70.3362, 0.3028, 0.3323



Tritanomaly

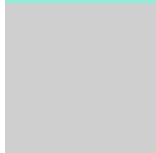
72.1327, 0.2600, 0.3241

Monochromacy



Original Color

72.0362, 0.2690, 0.3557



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.9863, 0.2941, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0362, 0.2690, 0.3557 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(144, 238, 216)` looks like.

```
.text, #text, p{  
    color:rgb(144, 238, 216)  
}
```

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(144, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 238, 216) }
```

Border

The CSS property to change the border of an element to Yxy 72.0362, 0.2690, 0.3557 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(144, 238, 216) }
```

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

```
.border{ border-color:rgb(144, 238, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 238, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 238, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 238, 216);  
box-shadow:4px 4px 4px 4px rgb(144, 238,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0362, 0.2690, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 238, 216) }
```

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

```
.background{ background-color: rgb(144,  
238, 216) }
```

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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