

Converting Colors

$Y_{xy}(72.1749, 0.2336, 0.3564)$

Have a look what the booklet for
Yxy(72.1749, 0.2336, 0.3564)
contains.

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Color

Yxy(72.2192, 0.2334, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	18F7E2
RGB	24, 247, 226
RGB Percent	9%, 97%, 89%
CMY	0.9046, 0.0313, 0.1138
CMYK	0.90, 0.00, 0.09, 0.03
HSL	174°, 93%, 53%
HSV	174°, 90%, 97%
XYZ	47.3748, 72.2192, 83.3829
YIQ	177.9290, -126.1670, -53.8070

Conversions

Conversions Part 2

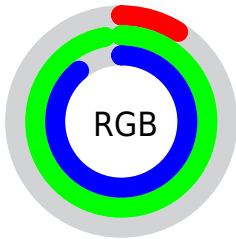
Format	Color
R _Y B	24, 141, 247
Decimal	1636322
CIE Lab	88.07, -52.16, -3.54
CIE LCh	88, 52.279, 183.884
Yxy	72.2192, 0.2334, 0.3558
Android (android.graphics.Color)	4279826402 (0xFF18F7E2)
YUV	177.9290, 23.6990, -134.9957
Hunter-Lab	84.9819, -49.2100, 1.3129

Details

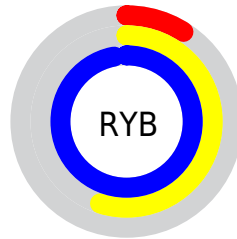
The Yxy color **72.2192, 0.2334, 0.3558** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.6371, 0.6097, 0.3212**, and the grayscale version is **44.4645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **39.7672, 0.2334, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **71.8983, 0.2331, 0.3590**, and if you desaturate by 10%, it is **72.8064, 0.2353, 0.3526**.

Distribution



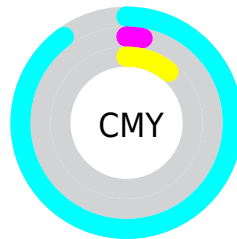
- Red (9%)
- Green (97%)
- Blue (89%)



- Red (9%)
- Yellow (55%)
- Blue (97%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)





- Cyan (90%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2192, 0.2334, 0.3558 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 72.2192, 0.2334, 0.3558 by changing the saturation by 10% instead.

 72.2192, 0.2334,
0.3558


 72.2192, 0.2334,
0.3558


468.3042, 0.2695,
0.3440

 53.3378, 0.2253,
0.3583


 122.3681, 0.2458,
0.3518


 38.0725, 0.2155,
0.3614


 154.4044, 0.2506,
0.3502

 26.0389, 0.2032,
0.3652


 191.5944, 0.2548,
0.3488

 16.8528, 0.1876,
0.3698

 234.3225, 0.2585,
0.3476

 10.1296, 0.1670,
0.3756

282.9732, 0.2618,
0.3466

 5.4850, 0.1390,
0.3830

337.9307, 0.2646,

 2.5345, 0.0974,

0.3456

0.3928

399.5796, 0.2672,
0.3447

0.8939, 0.0000,
0.4181

0.0000, 0.0000,
0.0000

72.2192, 0.2334,
0.3558

72.2192, 0.2334,
0.3558


71.8983, 0.2331,
0.3590

72.8064, 0.2353,
0.3526


73.7288, 0.2390,
0.3493

75.0370, 0.2447,
0.3460


76.7714, 0.2523,
0.3428

 78.9673, 0.2617,
0.3397

 81.6563, 0.2727,
0.3367

 84.8671, 0.2850,
0.3340

 88.6263, 0.2984,
0.3314

 92.9587, 0.3125,
0.3290

Harmonies

Analogous

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



72.2192, 0.2838, 0.4160



72.2192, 0.2334, 0.3558



72.2192, 0.2054, 0.2932

Triad

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



72.2192, 0.2334, 0.3558



72.2192, 0.2712, 0.2362



72.2192, 0.4343, 0.3933

Complementary

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



72.2192, 0.2334, 0.3558



20.6371, 0.6097, 0.3212

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.



72.2192, 0.4333, 0.3456



72.2192, 0.2334, 0.3558



72.2192, 0.3332, 0.2601

Square

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



72.2192, 0.2334, 0.3558



72.2192, 0.2256, 0.2318



72.2192, 0.3949, 0.2987



72.2192, 0.4006, 0.4316

Rectangle

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



72.2192, 0.2334, 0.3558



72.2192, 0.2010, 0.2617



72.2192, 0.3949, 0.2987



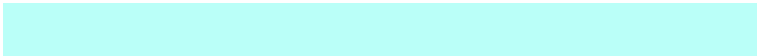
72.2192, 0.4383, 0.3778

Sweetspot

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



72.2219, 0.2334, 0.3558



88.7861, 0.2764, 0.3359



67.1957, 0.3039, 0.5904



18.7664, 0.2723, 0.3368



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.



72.2219, 0.2334, 0.3558



77.2847, 0.2331, 0.3590



31.3499, 0.1918, 0.2046



18.7292, 0.2993, 0.3312



38.0294, 0.2329, 0.3584



3.3501, 0.2318, 0.3544

Inverse Universe

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



20.6371, 0.6097, 0.3212



21.3263, 0.6318, 0.3254



31.7465, 0.5499, 0.3924



16.5079, 0.3279, 0.3268



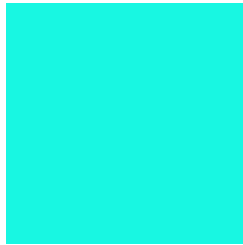
10.5002, 0.6294, 0.3241



0.9313, 0.6069, 0.3117

Previews

White Background



This preview shows how the Yxy color 72.2192, 0.2334, 0.3558 looks on a white background.

Color Contrast Check

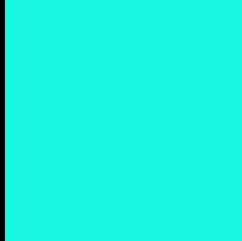
Large Text (above 18pt) WCAG AA × Fail

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 72.2192, 0.2334, 0.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

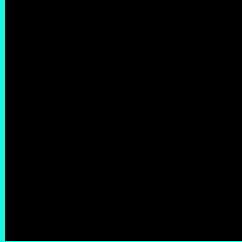
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.2192, 0.2334, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 72.2192, 0.2334, 0.3558.

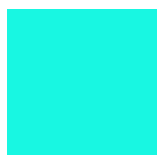


This preview shows how white text looks on a background with the Yxy color 72.2192, 0.2334, 0.3558.

Color Blindness Simulation

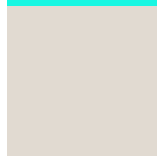
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



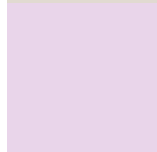
Original Color

72.2067, 0.2334, 0.3558



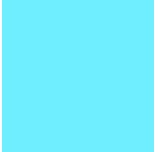
Protanopia

70.7538, 0.3239, 0.3389



Deuteranopia

70.8527, 0.3130, 0.3070



Tritanopia

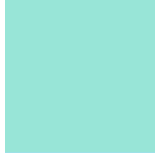
71.6841, 0.2370, 0.3086

Trichromacy



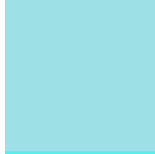
Original Color

72.2067, 0.2334, 0.3558



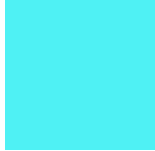
Protanomaly

67.6203, 0.2724, 0.3461



Deuteranomaly

66.7880, 0.2661, 0.3217



Tritanomaly

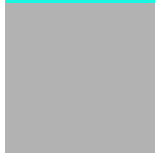
71.1045, 0.2332, 0.3251

Monochromacy



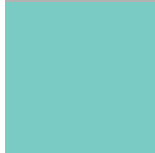
Original Color

72.2067, 0.2334, 0.3558



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

50.7896, 0.2626, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2192, 0.2334, 0.3558 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(24, 247, 226)` looks like.

```
.text, #text, p{  
    color:rgb(24, 247, 226)  
}
```

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(24, 247, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 247, 226) }
```

Border

The CSS property to change the border of an element to Yxy 72.2192, 0.2334, 0.3558 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(24, 247, 226) }
```

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

```
.border{ border-color:rgb(24, 247, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 247, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 247, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 247, 226);  
box-shadow:4px 4px 4px 4px rgb(24, 247,  
226) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.2192, 0.2334, 0.3558$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 247, 226) }
```

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

```
.background{ background-color: rgb(24, 247,  
226) }
```

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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