

# Converting Colors

$Y_{xy}(72.2726, 0.2514, 0.3449)$

Have a look what the booklet for  
Yxy(72.2726, 0.2514, 0.3449)  
contains.

<b>Yxy(72.2250, 0.2514, 0.3448)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.2250, 0.2514, 0.3448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74F1E4
RGB	116, 241, 228
RGB Percent	45%, 95%, 89%
CMY	0.5452, 0.0549, 0.1058
CMYK	0.52, 0.00, 0.05, 0.05
HSL	174°, 82%, 70%
HSV	174°, 52%, 95%
XYZ	52.6606, 72.2250, 84.5837
YIQ	202.1430, -70.3270, -30.5430

# Conversions

## Conversions Part 2

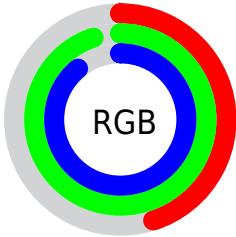
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 182, 241
Decimal	7664100
CIE <sub>Lab</sub>	88.08, -37.94, -4.41
CIE <sub>LCh</sub>	88, 38.199, 186.631
Yxy	72.2250, 0.2514, 0.3448
Android (android.graphics.Color)	4285854180 (0xFF74F1E4)
YUV	202.1430, 12.7475, -75.5474
Hunter-Lab	84.9853, -38.1179, 0.4799

# Details

The Yxy color **72.2250, 0.2514, 0.3448** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.7685, 0.4475, 0.3155**, and the grayscale version is **59.1057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **37.9511, 0.2372, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **70.6476, 0.2442, 0.3484**, and if you desaturate by 10%, it is **74.2384, 0.2604, 0.3414**.

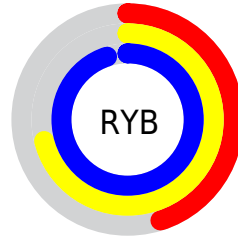
# Distribution



Red (45%)

Green (95%)

Blue (89%)



Red (45%)

Yellow (71%)

Blue (95%)

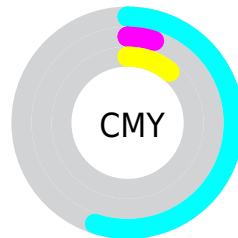


Cyan (52%)

Magenta (0%)

Yellow (5%)

Black (5%)



Cyan (55%)

Magenta (5%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2250, 0.2514, 0.3448 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 72.2250, 0.2514, 0.3448 by changing the saturation by 10% instead.




 72.2250, 0.2514,  
0.3448


 72.2250, 0.2514,  
0.3448


468.3244, 0.2794,  
0.3379

 53.3425, 0.2451,  
0.3463


 122.3764, 0.2610,  
0.3425

 38.0763, 0.2374,  
0.3480


 154.4140, 0.2648,  
0.3416

 26.0419, 0.2277,  
0.3502


 191.6055, 0.2681,  
0.3408

 16.8550, 0.2152,  
0.3528

234.3352, 0.2709,  
0.3401

 10.1311, 0.1986,  
0.3561

282.9876, 0.2734,  
0.3394

 5.4860, 0.1754,  
0.3601

337.9470, 0.2757,

 2.5351, 0.1415,

0.3389

399.5978, 0.2776,  
0.3384

0.3649

0.8942, 0.0000,  
0.4042

0.0000, 0.0000,  
0.0000

72.2250, 0.2514,  
0.3448

72.2250, 0.2514,  
0.3448

70.6476, 0.2442,  
0.3484

74.2384, 0.2604,  
0.3414

69.4637, 0.2389,  
0.3520


76.7094, 0.2711,  
0.3381


68.6373, 0.2356,  
0.3556

79.6686, 0.2831,  
0.3350

68.1214, 0.2341,  
0.3592

83.1411, 0.2962,  
0.3321


 67.8715, 0.2339,  
0.3620

 87.1506, 0.3100,  
0.3295

 90.6473, 0.3207,  
0.3271

 90.7995, 0.3191,  
0.3246

 90.9538, 0.3176,  
0.3222

 91.1101, 0.3161,  
0.3198

# Harmonies

## Analogous

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



72.2250, 0.2886, 0.3876



72.2250, 0.2514, 0.3448



72.2250, 0.2310, 0.3005

# Triad

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



72.2250, 0.2514, 0.3448



72.2250, 0.2864, 0.2597



72.2250, 0.4012, 0.3821

# Complementary

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



72.2250, 0.2514, 0.3448



32.7685, 0.4475, 0.3155

# 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.



72.2250, 0.4019, 0.3468



72.2250, 0.2514, 0.3448



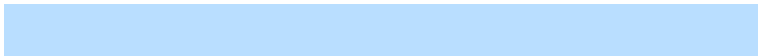
72.2250, 0.3328, 0.2793

# Square

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



72.2250, 0.2514, 0.3448



72.2250, 0.2500, 0.2554



72.2250, 0.3762, 0.3103



72.2250, 0.3756, 0.4071



# Rectangle

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



72.2250, 0.2514, 0.3448



72.2250, 0.2285, 0.2776



72.2250, 0.3762, 0.3103



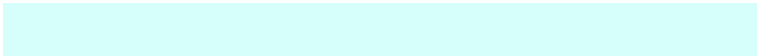
72.2250, 0.4045, 0.3710

# Sweetspot

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



72.2278, 0.2514, 0.3448



92.7965, 0.2906, 0.3333



68.9641, 0.3127, 0.4913



19.6884, 0.2879, 0.3339



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.



72.2278, 0.2514, 0.3448



80.2638, 0.2440, 0.3485



48.2348, 0.2333, 0.2669



17.8990, 0.2995, 0.3314



36.8151, 0.2337, 0.3614



3.0707, 0.2324, 0.3567



# Inverse Universe

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



32.7685, 0.4475, 0.3155



30.9901, 0.4918, 0.3142



46.4766, 0.4323, 0.3814



15.7855, 0.3277, 0.3266



10.1882, 0.6278, 0.3232

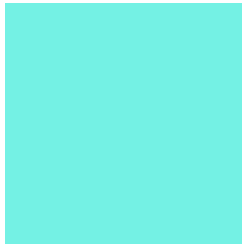


0.8564, 0.6024, 0.3092



# Previews

## White Background



This preview shows how the Yxy color 72.2250, 0.2514, 0.3448 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

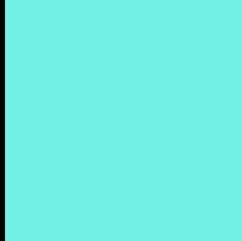
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2250, 0.2514, 0.3448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

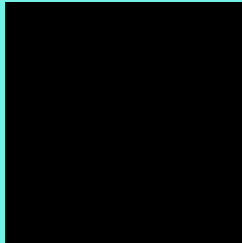
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

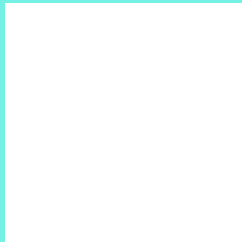
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2250, 0.2514, 0.3448**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2250, 0.2514, 0.3448.

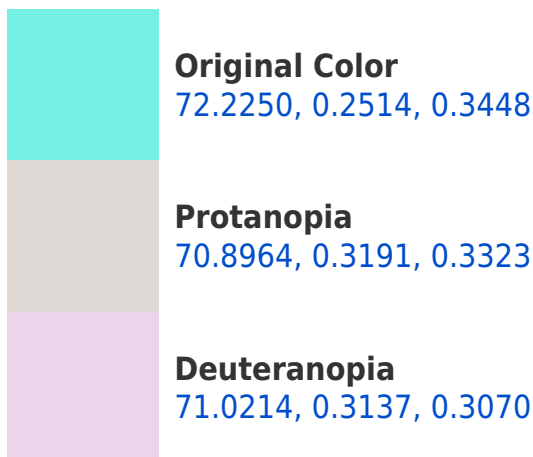


This preview shows how white text looks on a background with the Yxy color 72.2250, 0.2514, 0.3448.

# 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

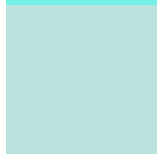
71.8780, 0.2435, 0.3066

# Trichromacy



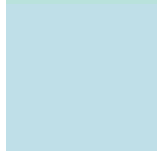
## Original Color

72.2250, 0.2514, 0.3448



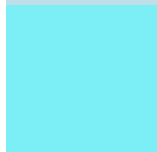
## Protanomaly

69.8743, 0.2890, 0.3359



## Deuteranomaly

69.6779, 0.2856, 0.3187



## Tritanomaly

72.0267, 0.2463, 0.3205

# Monochromacy



## Original Color

72.2250, 0.2514, 0.3448



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

62.4728, 0.2848, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2250, 0.2514, 0.3448 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(116, 241, 228)` looks like.

```
.text, #text, p{  
    color:rgb(116, 241, 228)  
}
```

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(116, 241, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 241, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2250, 0.2514, 0.3448 is called "border". The border property can be set on classes, ids or directly on the HTML element.

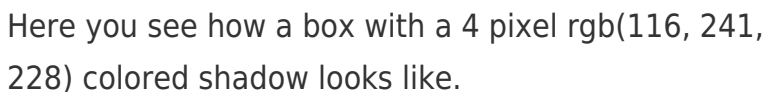
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 241, 228) }
```

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

```
.border{ border-color:rgb(116, 241, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 241, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 241, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 241, 228); box-shadow:4px 4px 4px 4px rgb(116, 241, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2250, 0.2514, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 241, 228) }
```

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

```
.background{ background-color: rgb(116,  
241, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor