

Converting Colors

$Y_{xy}(72.2273, 0.2518, 0.3460)$

Have a look what the booklet for
Yxy(72.2273, 0.2518, 0.3460)
contains.

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Color

Yxy(72.1696, 0.2519, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	74F1E3
RGB	116, 241, 227
RGB Percent	45%, 95%, 89%
CMY	0.5449, 0.0549, 0.1098
CMYK	0.52, 0.00, 0.06, 0.05
HSL	173°, 82%, 70%
HSV	173°, 52%, 95%
XYZ	52.5268, 72.1696, 83.8260
YIQ	202.0290, -70.0060, -30.8540

Conversions

Conversions Part 2

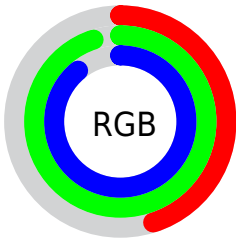
Format	Color
RYB	116, 182, 241
Decimal	7664099
CIELab	88.05, -38.18, -3.91
CIElCh	88, 38.376, 185.842
Yxy	72.1696, 0.2519, 0.3461
Android (android.graphics.Color)	4285854179 (0xFF74F1E3)
YUV	202.0290, 12.3107, -75.4474
Hunter-Lab	84.9527, -38.2995, 0.9632

Details

The Yxy color **72.1696, 0.2519, 0.3461** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.8183, 0.4460, 0.3143**, and the grayscale version is **59.0459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **37.9125, 0.2377, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **70.5805, 0.2447, 0.3500**, and if you desaturate by 10%, it is **74.1950, 0.2609, 0.3424**.

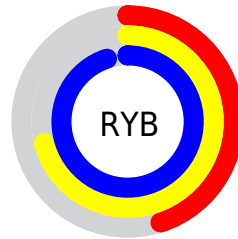
Distribution



Red (45%)

Green (95%)

Blue (89%)



Red (45%)

Yellow (71%)

Blue (95%)

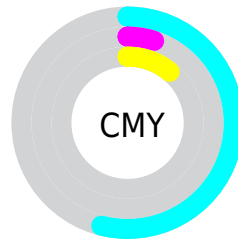


Cyan (52%)

Magenta (0%)

Yellow (6%)

Black (5%)



Cyan (54%)


Magenta (5%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1696, 0.2519, 0.3461 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 72.1696, 0.2519, 0.3461 by changing the saturation by 10% instead.


 72.1696, 0.2519,
0.3461


 72.1696, 0.2519,
0.3461


468.1317, 0.2797,
0.3386

 53.2972, 0.2456,
0.3477


 122.2976, 0.2615,
0.3436

 38.0401, 0.2380,
0.3497


 154.3221, 0.2652,
0.3426

 26.0138, 0.2283,
0.3521

 191.4993, 0.2685,
0.3417

 16.8340, 0.2159,
0.3550

234.2138, 0.2713,
0.3409

 10.1162, 0.1993,
0.3588

282.8499, 0.2738,
0.3402

 5.4761, 0.1762,
0.3636

337.7920, 0.2760,

 2.5292, 0.1423,

0.3396

399.4244, 0.2779,
0.3391

0.3696

0.8912, 0.0000,
0.4121

0.0000, 0.0000,
0.0000

72.1696, 0.2519,
0.3461

72.1696, 0.2519,
0.3461

70.5805, 0.2447,
0.3500

74.1950, 0.2609,
0.3424

69.3855, 0.2395,
0.3539


76.6786, 0.2715,
0.3388


68.5484, 0.2362,
0.3578

79.6506, 0.2834,
0.3355


68.0223, 0.2348,
0.3617


83.1363, 0.2964,
0.3323


 67.7638, 0.2347,
0.3648

 87.1595, 0.3101,
0.3295

 90.6533, 0.3206,
0.3269

 90.8179, 0.3189,
0.3243

 90.9850, 0.3172,
0.3217

 91.1545, 0.3156,
0.3191

Harmonies

Analogous

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



72.1696, 0.2896, 0.3888



72.1696, 0.2519, 0.3461



72.1696, 0.2309, 0.3014

Triad

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



72.1696, 0.2519, 0.3461



72.1696, 0.2851, 0.2591



72.1696, 0.4020, 0.3815

Complementary

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



72.1696, 0.2519, 0.3461



32.8183, 0.4460, 0.3143

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.



72.1696, 0.4020, 0.3459



72.1696, 0.2519, 0.3461



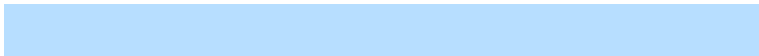
72.1696, 0.3316, 0.2784

Square

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



72.1696, 0.2519, 0.3461



72.1696, 0.2490, 0.2552



72.1696, 0.3756, 0.3092



72.1696, 0.3768, 0.4070

Rectangle

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



72.1696, 0.2519, 0.3461



72.1696, 0.2281, 0.2781



72.1696, 0.3756, 0.3092



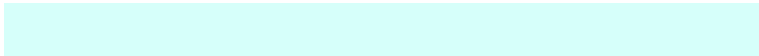
72.1696, 0.4051, 0.3702

Sweetspot

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



72.1724, 0.2519, 0.3461



92.7751, 0.2908, 0.3336



68.9684, 0.3127, 0.4912



19.6832, 0.2881, 0.3343



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.



72.1724, 0.2519, 0.3461



80.1863, 0.2445, 0.3501



48.2542, 0.2334, 0.2670



17.8966, 0.2996, 0.3316



36.7599, 0.2345, 0.3642



3.0667, 0.2331, 0.3591

Inverse Universe

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



32.8183, 0.4460, 0.3143



31.0202, 0.4900, 0.3129



46.4967, 0.4322, 0.3813



15.7877, 0.3276, 0.3264



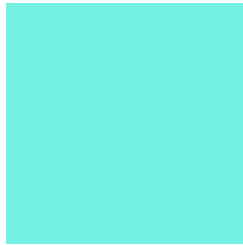
10.1936, 0.6265, 0.3225



0.8574, 0.5997, 0.3077

Previews

White Background



This preview shows how the Yxy color 72.1696, 0.2519, 0.3461 looks on a white background.

Color Contrast Check

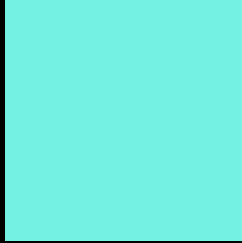
Large Text (above 18pt) WCAG AA × Fail

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 72.1696, 0.2519, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

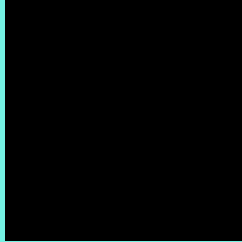
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1696, 0.2519, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 72.1696, 0.2519, 0.3461.

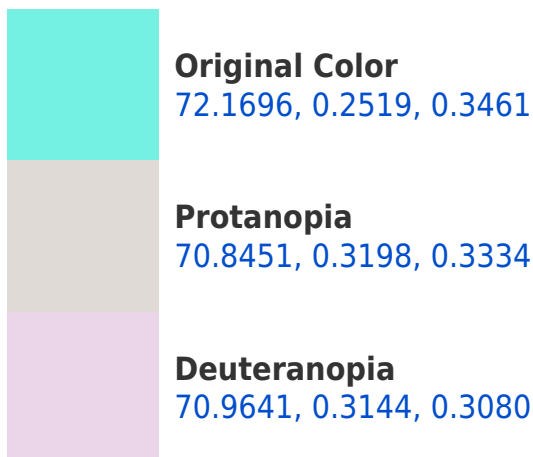


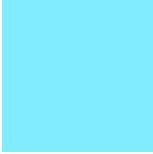
This preview shows how white text looks on a background with the Yxy color 72.1696, 0.2519, 0.3461.

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

72.1696, 0.2519, 0.3461



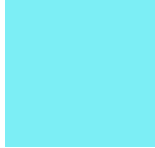
Protanomaly

69.8215, 0.2896, 0.3371



Deuteranomaly

69.6212, 0.2862, 0.3198



Tritanomaly

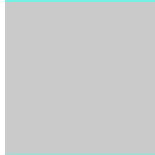
72.0267, 0.2463, 0.3205

Monochromacy



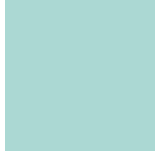
Original Color

72.1696, 0.2519, 0.3461



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 72.1696, 0.2519, 0.3461 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(116, 241, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 241, 227) }
```

Border

The CSS property to change the border of an element to Yxy 72.1696, 0.2519, 0.3461 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, 227) }
```

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

```
.border{ border-color:rgb(116, 241, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 241, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 241, 227);  
box-shadow:4px 4px 4px 4px rgb(116, 241,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1696, 0.2519, 0.3461 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, 227) }
```

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

```
.background{ background-color: rgb(116,  
241, 227) }
```

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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