

Converting Colors

$Yxy(72.4788, 0.3131, 0.3728)$

Have a look what the booklet for
Yxy(72.4788, 0.3131, 0.3728)
contains.

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Color

Yxy(72.1796, 0.3127, 0.3720)

Conversions

Conversions Part 1

Format	Color
Hex	C4E6C1
RGB	196, 230, 193
RGB Percent	77%, 90%, 76%
CMY	0.2316, 0.0980, 0.2432
CMYK	0.15, 0.00, 0.16, 0.10
HSL	115°, 43%, 83%
HSV	115°, 16%, 90%
XYZ	60.6736, 72.1796, 61.1780
YIQ	215.6160, -8.3870, -18.7150

Conversions

Conversions Part 2

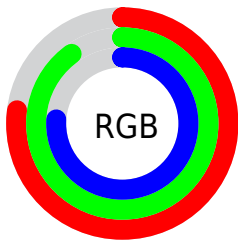
Format	Color
RYB	193, 230, 227
Decimal	12904129
CIELab	88.05, -18.00, 14.37
CIELCh	88, 23.029, 141.391
Yxy	72.1796, 0.3127, 0.3720
Android (android.graphics.Color)	4291094209 (0xFFC4E6C1)
YUV	215.6160, -11.1497, -17.2032
Hunter-Lab	84.9586, -21.2009, 16.7767

Details

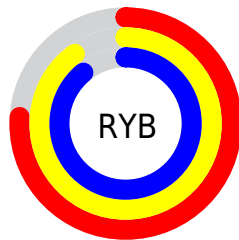
The Yxy color **72.1796, 0.3127, 0.3720** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.1917, 0.3123, 0.2889**, and the grayscale version is **68.4698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2422, 0.3149, 0.3348**, and **37.8870, 0.3128, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **68.5943, 0.3124, 0.4029**, and if you desaturate by 10%, it is **76.3312, 0.3128, 0.3443**.

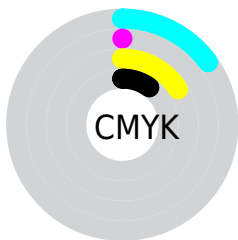
Distribution



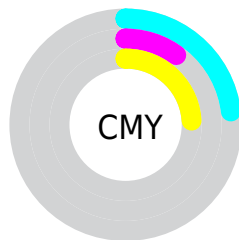
- Red (77%)
- Green (90%)
- Blue (76%)



- Red (76%)
- Yellow (90%)
- Blue (89%)



- Cyan (15%)
- Magenta (0%)
- Yellow (16%)
- Black (10%)





- Cyan (23%)
- Magenta (10%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1796, 0.3127, 0.3720 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 72.1796, 0.3127, 0.3720 by changing the saturation by 10% instead.

 72.1796, 0.3127,
0.3720

 72.1796, 0.3127,
0.3720


468.1665, 0.3130,
0.3515

 53.3054, 0.3126,
0.3768


 122.3118, 0.3129,
0.3648

 38.0466, 0.3123,
0.3829


154.3387, 0.3129,
0.3620

 26.0189, 0.3120,
0.3907


191.5185, 0.3129,
0.3596

 16.8378, 0.3114,
0.4011

234.2357, 0.3130,
0.3576

 10.1189, 0.3104,
0.4157

282.8747, 0.3130,
0.3558

 5.4779, 0.3085,
0.4376


337.8199, 0.3130,


 2.5303, 0.3041,


0.3542


0.4737

399.4557, 0.3130,
0.3528


 0.8917, 0.3140,
0.6860


 0.0000, 0.0000,
0.0000


 72.1796, 0.3127,
0.3720


 72.1796, 0.3127,
0.3720


 68.5943, 0.3124,
0.4029


 76.3312, 0.3128,
0.3443

 65.5421, 0.3118,
0.4365

 81.0626, 0.3127,
0.3199

 63.0003, 0.3109,
0.4717

 85.0858, 0.3138,
0.3049

 60.9409, 0.3096,
0.5066

■ 59.3333, 0.3079,
0.5389

■ 58.1433, 0.3060,
0.5658

■ 57.3320, 0.3039,
0.5852

■ 56.8526, 0.3019,
0.5962

■ 56.7374, 0.3014,
0.5989

Harmonies

Analogous

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



72.1796, 0.3400, 0.3786



72.1796, 0.3127, 0.3720



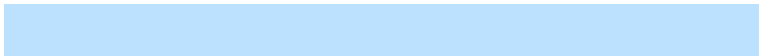
72.1796, 0.2862, 0.3521

Triad

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



72.1796, 0.3127, 0.3720



72.1796, 0.2663, 0.2868



72.1796, 0.3601, 0.3293

Complementary

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



72.1796, 0.3127, 0.3720



60.1917, 0.3123, 0.2889

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.



72.1796, 0.3387, 0.3072



72.1796, 0.3127, 0.3720



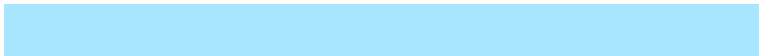
72.1796, 0.2845, 0.2831

Square

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



72.1796, 0.3127, 0.3720



72.1796, 0.2602, 0.3019



72.1796, 0.3108, 0.2906



72.1796, 0.3682, 0.3524

Rectangle

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



72.1796, 0.3127, 0.3720



72.1796, 0.2725, 0.3347



72.1796, 0.3108, 0.2906



72.1796, 0.3542, 0.3216

Sweetspot

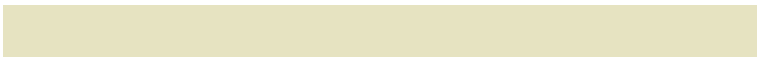
The Sweet Spot groups the original color and five complimentary colors.



72.1827, 0.3127, 0.3720



97.0477, 0.3128, 0.3415



75.5793, 0.3374, 0.3657



20.6866, 0.3128, 0.3433



0.0000, 0.0000, 0.0000



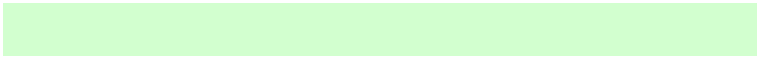
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1827, 0.3127, 0.3720



89.7645, 0.3126, 0.3810



72.5163, 0.3012, 0.3539



16.1437, 0.3128, 0.3532



32.1352, 0.3018, 0.5986



2.3939, 0.3067, 0.5947

Inverse Universe

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



60.1917, 0.3123, 0.2889



72.1637, 0.3122, 0.2813



59.8464, 0.3262, 0.3054



14.5538, 0.3125, 0.3058



11.1578, 0.3010, 0.1432



0.8419, 0.3041, 0.1449

Previews

White Background



This preview shows how the Yxy color 72.1796, 0.3127, 0.3720 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 72.1796, 0.3127, 0.3720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

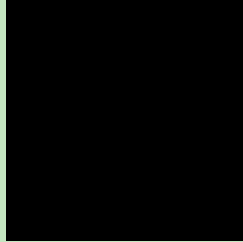
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

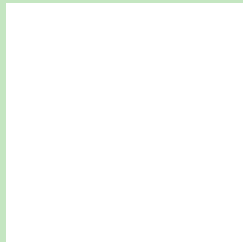
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1796, 0.3127, 0.3720

Background



This preview shows how black text looks on a background with the Yxy color 72.1796, 0.3127, 0.3720.

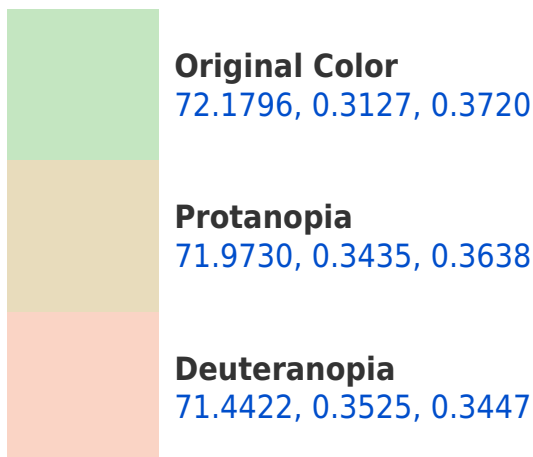


This preview shows how white text looks on a background with the Yxy color 72.1796, 0.3127, 0.3720.

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

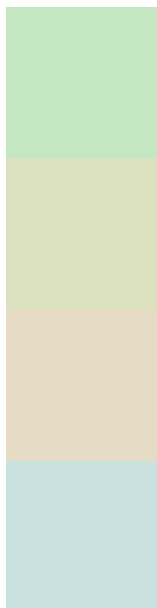




Tritanopia

71.9636, 0.2886, 0.3093

Trichromacy



Original Color

72.1796, 0.3127, 0.3720

Protanomaly

72.0891, 0.3317, 0.3670

Deuteranomaly

71.4716, 0.3365, 0.3541

Tritanomaly

72.1920, 0.2970, 0.3312

Monochromacy



Original Color

72.1796, 0.3127, 0.3720

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.8223, 0.3127, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1796, 0.3127, 0.3720 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(196, 230, 193)` looks like.

```
.text, #text, p{  
    color:rgb(196, 230, 193)  
}
```

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(196, 230, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 230, 193) }
```

Border

The CSS property to change the border of an element to Yxy 72.1796, 0.3127, 0.3720 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(196, 230, 193) }
```

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

```
.border{ border-color:rgb(196, 230, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 230, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 230, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 230, 193); box-shadow:4px 4px 4px 4px rgb(196, 230, 193) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1796, 0.3127, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 230, 193) }
```

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

```
.background{ background-color: rgb(196,  
230, 193) }
```

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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