

Converting Colors

$Y_{xy}(47.2745, 0.2252, 0.2864)$

Have a look what the booklet for
Yxy(47.2745, 0.2252, 0.2864)
contains.

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Color

Yxy(47.1536, 0.2252, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	4EC5E4
RGB	78, 197, 228
RGB Percent	31%, 77%, 89%
CMY	0.6938, 0.2275, 0.1059
CMYK	0.66, 0.14, 0.00, 0.11
HSL	192°, 74%, 60%
HSV	192°, 66%, 89%
XYZ	37.1164, 47.1536, 80.5451
YIQ	164.9530, -80.8750, -15.5870

Conversions

Conversions Part 2

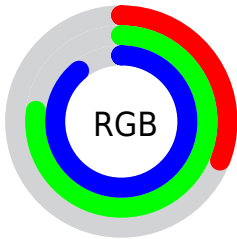
Format	Color
R _Y B	78, 144, 228
Decimal	5162468
CIE Lab	74.29, -23.71, -25.21
CIE LCh	74, 34.607, 226.761
Yxy	47.1536, 0.2252, 0.2861
Android (android.graphics.Color)	4283352548 (0xFF4EC5E4)
YUV	164.9530, 31.0822, -76.2578
Hunter-Lab	68.6685, -23.6879, -21.4767

Details

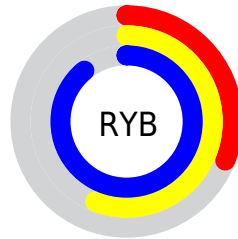
The Yxy color **47.1536, 0.2252, 0.2861** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **28.0021, 0.5017, 0.3616**, and the grayscale version is **37.4914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8544, 0.2526, 0.3277**, and **22.6621, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **44.2442, 0.2172, 0.2785**, and if you desaturate by 10%, it is **50.4672, 0.2351, 0.2936**.

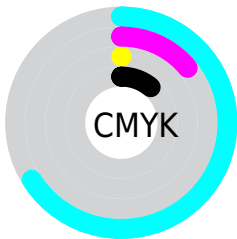
Distribution



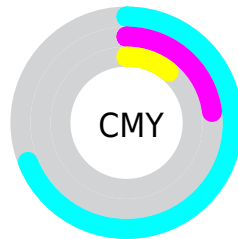
- Red (31%)
- Green (77%)
- Blue (89%)



- Red (31%)
- Yellow (56%)
- Blue (89%)



- Cyan (66%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)





- Cyan (69%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1536, 0.2252, 0.2861 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 47.1536, 0.2252, 0.2861 by changing the saturation by 10% instead.


 47.1536, 0.2252,
0.2861

 47.1536, 0.2252,
0.2861


375.4273, 0.2672,
0.3085


 33.1571, 0.2154,
0.2804


 85.9429, 0.2400,
0.2944


 22.2468, 0.2032,
0.2729


 111.5044, 0.2457,
0.2974

 14.0384, 0.1876,
0.2630


 141.6897, 0.2505,
0.3000

 8.1474, 0.1673,
0.2492

 176.8833, 0.2548,
0.3022

 4.1894, 0.1401,
0.2289

217.4694, 0.2584,
0.3041

 1.7801, 0.1027,
0.1972

263.8325, 0.2617,

 0.4747, 0.0000,

0.3057

0.1379

316.3570, 0.2646,
0.3072

0.0000, 0.0000,
0.0000

47.1536, 0.2252,
0.2861

47.1536, 0.2252,
0.2861

44.2442, 0.2172,
0.2785

50.4672, 0.2351,
0.2936

41.6971, 0.2112,
0.2709

54.2116, 0.2467,
0.3009

39.4687, 0.2070,
0.2633

58.4164, 0.2597,
0.3078

38.5869, 0.2056,
0.2602

63.1071, 0.2737,
0.3144

68.3071, 0.2886,
0.3205

■ 74.0382, 0.3038,
0.3260

■ 80.3206, 0.3193,
0.3311

■ 86.1184, 0.3308,
0.3357

■ 88.8504, 0.3303,
0.3403

Harmonies

Analogous

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



47.1536, 0.2394, 0.3290



47.1536, 0.2252, 0.2861



47.1536, 0.2319, 0.2595

Triad

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



47.1536, 0.2252, 0.2861



47.1536, 0.3501, 0.2871



47.1536, 0.3648, 0.4149

Complementary

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



47.1536, 0.2252, 0.2861



28.0021, 0.5017, 0.3616

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.



47.1536, 0.3985, 0.3947



47.1536, 0.2252, 0.2861



47.1536, 0.3909, 0.3218

Square

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



47.1536, 0.2252, 0.2861



47.1536, 0.3009, 0.2622



47.1536, 0.4089, 0.3603



47.1536, 0.3185, 0.4097

Rectangle

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



47.1536, 0.2252, 0.2861



47.1536, 0.2475, 0.2524



47.1536, 0.4089, 0.3603



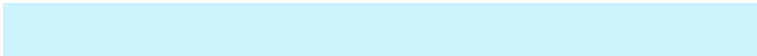
47.1536, 0.3780, 0.4105

Sweetspot

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



47.1553, 0.2252, 0.2861



85.0311, 0.2820, 0.3179



58.1956, 0.2910, 0.5040



17.7977, 0.2778, 0.3161



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.



47.1553, 0.2252, 0.2861



55.7493, 0.2147, 0.2756



21.4052, 0.1989, 0.1756



15.8036, 0.2981, 0.3240



22.4563, 0.2059, 0.2613



1.7873, 0.2090, 0.2723

Inverse Universe

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



25.9860, 0.3548, 0.2058



28.6778, 0.3661, 0.1923



50.9236, 0.4351, 0.4404



14.5615, 0.3169, 0.3106



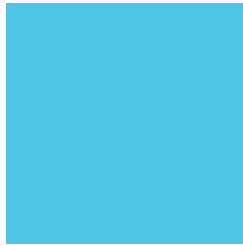
11.4647, 0.3811, 0.1873



0.8601, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 47.1536, 0.2252, 0.2861 looks on a white background.

Color Contrast Check

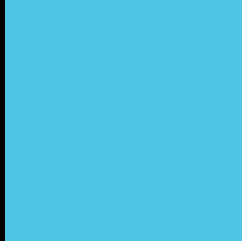
Large Text (above 18pt) WCAG AA × Fail

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 47.1536, 0.2252, 0.2861 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 47.1536, 0.2252, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 47.1536, 0.2252, 0.2861.

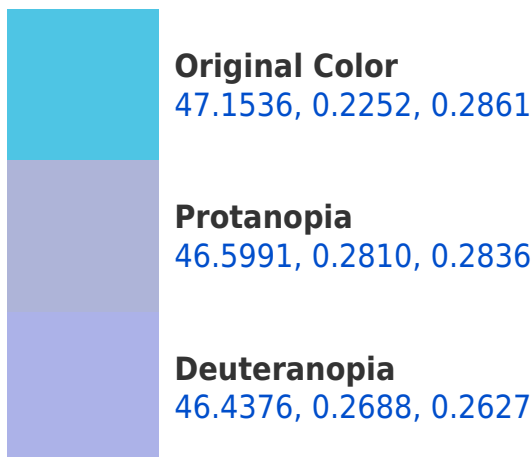


This preview shows how white text looks on a background with the Yxy color 47.1536, 0.2252, 0.2861.

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

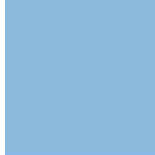
47.0927, 0.2293, 0.3060

Trichromacy



Original Color

47.1536, 0.2252, 0.2861



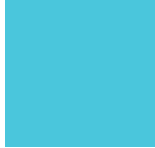
Protanomaly

45.7741, 0.2550, 0.2838



Deuteranomaly

45.8707, 0.2480, 0.2693



Tritanomaly

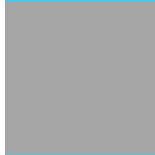
47.0113, 0.2277, 0.2978

Monochromacy



Original Color

47.1536, 0.2252, 0.2861



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.0617, 0.2693, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1536, 0.2252, 0.2861 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(78, 197, 228)` looks like.

```
.text, #text, p{  
    color:rgb(78, 197, 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(78, 197, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 197, 228) }
```

Border

The CSS property to change the border of an element to Yxy 47.1536, 0.2252, 0.2861 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(78, 197, 228) }
```

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

```
.border{ border-color:rgb(78, 197, 228) }
```

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

Here you see how a box with a 4 pixel rgb(78, 197, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 197, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 197, 228);  
box-shadow:4px 4px 4px 4px rgb(78, 197,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1536, 0.2252, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 197, 228) }
```

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

```
.background{ background-color: rgb(78, 197,  
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](#).

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