

Converting Colors

$Y_{xy}(61.7195, 0.2355, 0.3529)$

Have a look what the booklet for
Yxy(61.7195, 0.2355, 0.3529)
contains.

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Color

Yxy(61.9279, 0.2356, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	2EE6D4
RGB	46, 230, 212
RGB Percent	18%, 90%, 83%
CMY	0.8207, 0.0980, 0.1686
CMYK	0.80, 0.00, 0.08, 0.10
HSL	174°, 79%, 54%
HSV	174°, 80%, 90%
XYZ	41.2970, 61.9279, 72.0593
YIQ	172.9320, -103.8860, -44.6060

Conversions

Conversions Part 2

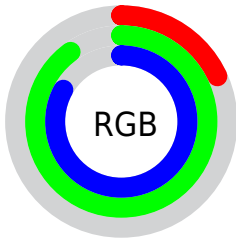
Format	Color
RYB	46, 143, 230
Decimal	3073748
CIELab	82.88, -47.48, -3.82
CIELCh	83, 47.638, 184.595
Yxy	61.9279, 0.2356, 0.3533
Android (android.graphics.Color)	4281263828 (0xFF2EE6D4)
YUV	172.9320, 19.2605, -111.3194
Hunter-Lab	78.6943, -44.0423, 0.7949

Details

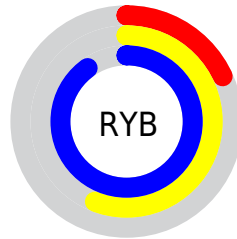
The Yxy color **61.9279, 0.2356, 0.3533** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.1258, 0.5722, 0.3170**, and the grayscale version is **41.6532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **32.7407, 0.2326, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **61.4219, 0.2337, 0.3567**, and if you desaturate by 10%, it is **62.7254, 0.2393, 0.3499**.

Distribution



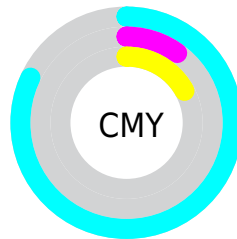
- Red (18%)
- Green (90%)
- Blue (83%)



- Red (18%)
- Yellow (56%)
- Blue (90%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)




- Cyan (82%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9279, 0.2356, 0.3533 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 61.9279, 0.2356, 0.3533 by changing the saturation by 10% instead.

 61.9279, 0.2356,
0.3533


 61.9279, 0.2356,
0.3533


431.6680, 0.2717,
0.3423

 44.9744, 0.2273,
0.3557


 107.6213, 0.2482,
0.3496


 31.4373, 0.2171,
0.3586


 137.1301, 0.2530,
0.3481

 20.9321, 0.2041,
0.3622


 171.5927, 0.2572,
0.3468

 13.0744, 0.1872,
0.3667

 211.3936, 0.2609,
0.3457

 7.4798, 0.1645,
0.3724

256.9172, 0.2641,
0.3447

 3.7639, 0.1327,
0.3795

308.5479, 0.2669,

 1.5424, 0.0510,

0.3438

0.4023

366.6700, 0.2694,
0.3430

■ 0.3183, 0.0000,
0.3416

■ 0.0000, 0.0000,
0.0000

■ 61.9279, 0.2356,
0.3533

■ 61.9279, 0.2356,
0.3533

■ 61.4219, 0.2337,
0.3567


■ 62.7254, 0.2393,
0.3499

■ 61.1331, 0.2333,
0.3599


■ 63.8474, 0.2450,
0.3465


■ 65.3302, 0.2527,
0.3432


■ 67.2032, 0.2620,
0.3400

 69.4930, 0.2730,
0.3370

 72.2236, 0.2853,
0.3341

 75.4175, 0.2985,
0.3315

 79.0953, 0.3125,
0.3290

 83.2767, 0.3270,
0.3268

Harmonies

Analogous

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



61.9279, 0.2839, 0.4110



61.9279, 0.2356, 0.3533



61.9279, 0.2089, 0.2937

Triad

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



61.9279, 0.2356, 0.3533



61.9279, 0.2742, 0.2398



61.9279, 0.4292, 0.3923

Complementary

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



61.9279, 0.2356, 0.3533



19.1258, 0.5722, 0.3170

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.



61.9279, 0.4288, 0.3465



61.9279, 0.2356, 0.3533



61.9279, 0.3340, 0.2633

Square

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



61.9279, 0.2356, 0.3533



61.9279, 0.2296, 0.2352



61.9279, 0.3928, 0.3010



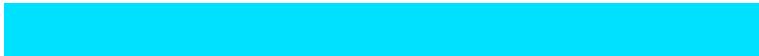
61.9279, 0.3964, 0.4284

Rectangle

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



61.9279, 0.2356, 0.3533



61.9279, 0.2050, 0.2637



61.9279, 0.3928, 0.3010



61.9279, 0.4332, 0.3775

Sweetspot

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



61.9303, 0.2356, 0.3533



89.8034, 0.2802, 0.3352



57.8929, 0.3064, 0.5737



18.9606, 0.2758, 0.3363



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.



61.9303, 0.2356, 0.3533



77.3588, 0.2334, 0.3588



30.1667, 0.1999, 0.2206



16.3108, 0.2995, 0.3313



34.6149, 0.2332, 0.3594



2.5650, 0.2318, 0.3545

Inverse Universe

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



19.1258, 0.5722, 0.3170



21.5977, 0.6240, 0.3236



30.3203, 0.5206, 0.3968



14.3908, 0.3277, 0.3267



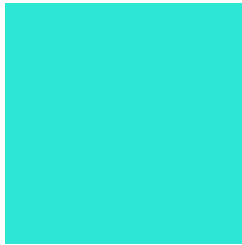
9.5661, 0.6285, 0.3236



0.7147, 0.6015, 0.3087

Previews

White Background



This preview shows how the Yxy color 61.9279, 0.2356, 0.3533 looks on a white background.

Color Contrast Check

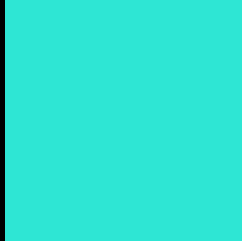
Large Text (above 18pt) WCAG AA × Fail

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 61.9279, 0.2356, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

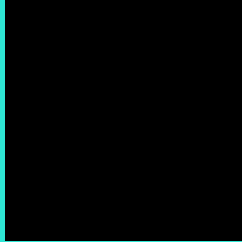
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

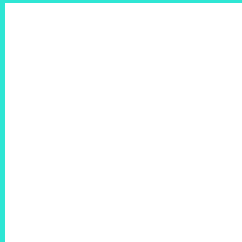
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.9279, 0.2356, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 61.9279, 0.2356, 0.3533.

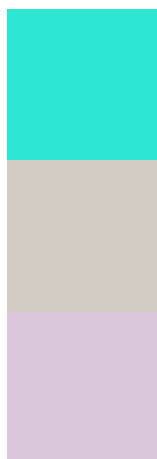


This preview shows how white text looks on a background with the Yxy color 61.9279, 0.2356, 0.3533.

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

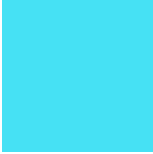
61.9279, 0.2356, 0.3533

Protanopia

60.9186, 0.3224, 0.3372

Deuteranopia

60.8667, 0.3130, 0.3067



Tritanopia

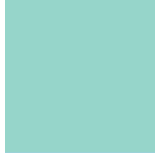
61.6842, 0.2260, 0.3045

Trichromacy



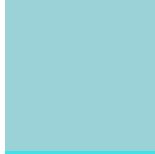
Original Color

61.9279, 0.2356, 0.3533



Protanomaly

58.3368, 0.2766, 0.3431



Deuteranomaly

58.0196, 0.2711, 0.3213



Tritanomaly

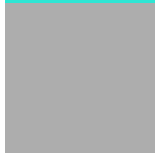
61.7565, 0.2294, 0.3222

Monochromacy



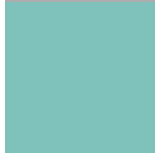
Original Color

61.9279, 0.2356, 0.3533



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.6835, 0.2687, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9279, 0.2356, 0.3533 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(46, 230, 212)` looks like.

```
.text, #text, p{  
    color:rgb(46, 230, 212)  
}
```

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(46, 230, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 230, 212) }
```

Border

The CSS property to change the border of an element to Yxy 61.9279, 0.2356, 0.3533 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(46, 230, 212) }
```

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

```
.border{ border-color:rgb(46, 230, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 230, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 230, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 230, 212);  
box-shadow:4px 4px 4px 4px rgb(46, 230,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9279, 0.2356, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 230, 212) }
```

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

```
.background{ background-color: rgb(46, 230,  
212) }
```

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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