

Converting Colors

$Y_{xy}(61.6500, 0.2257, 0.3287)$

Have a look what the booklet for
Yxy(61.6500, 0.2257, 0.3287)
contains.

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Color

Yxy(61.8552, 0.2257, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	15E5E5
RGB	21, 229, 229
RGB Percent	8%, 90%, 90%
CMY	0.9182, 0.1019, 0.1018
CMYK	0.91, 0.00, 0.00, 0.10
HSL	180°, 83%, 49%
HSV	180°, 91%, 90%
XYZ	42.4725, 61.8552, 83.8536
YIQ	166.8080, -123.9680, -44.0960

Conversions

Conversions Part 2

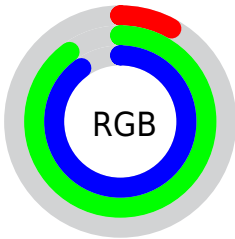
Format	Color
R _Y B	21, 125, 229
Decimal	1435109
CIE Lab	82.84, -43.76, -12.92
CIE LCh	83, 45.624, 196.445
Yxy	61.8552, 0.2257, 0.3287
Android (android.graphics.Color)	4279625189 (0xFF15E5E5)
YUV	166.8080, 30.6607, -127.8736
Hunter-Lab	78.6481, -41.2383, -8.1606

Details

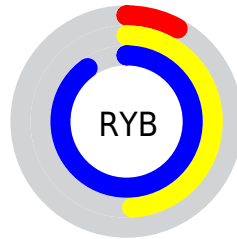
The Yxy color **61.8552, 0.2257, 0.3287** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.2501, 0.6259, 0.3299**, and the grayscale version is **38.4213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **32.9431, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **61.6977, 0.2246, 0.3287**, and if you desaturate by 10%, it is **62.2319, 0.2282, 0.3287**.

Distribution



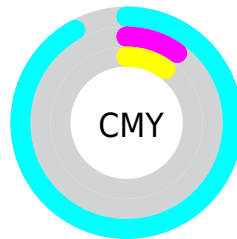
- Red (8%)
- Green (90%)
- Blue (90%)



- Red (8%)
- Yellow (49%)
- Blue (90%)



- Cyan (91%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (92%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8552, 0.2257, 0.3287 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 61.8552, 0.2257, 0.3287 by changing the saturation by 10% instead.


 61.8552, 0.2257,
0.3287


 61.8552, 0.2257,
0.3287


431.4027, 0.2659,
0.3302


 44.9157, 0.2166,
0.3280


 107.5162, 0.2396,
0.3295

 31.3910, 0.2055,
0.3270


 137.0066, 0.2450,
0.3297

 20.8968, 0.1916,
0.3254

 171.4493, 0.2497,
0.3299

 13.0486, 0.1738,
0.3227

 211.2288, 0.2537,
0.3300

 7.4620, 0.1503,
0.3182

 256.7295, 0.2573,
0.3300

 3.7527, 0.1185,
0.3095

308.3358, 0.2605,

 1.5362, 0.0547,

0.3301

0.2975

366.4321, 0.2633,
0.3301

■ 0.3140, 0.0000,
0.1979

■ 0.0000, 0.0000,
0.0000

■ 61.8552, 0.2257,
0.3287

■ 61.8552, 0.2257,
0.3287

■ 61.6977, 0.2246,
0.3287

■ 62.2319, 0.2282,
0.3287

■ 62.8852, 0.2324,
0.3287

■ 63.8579, 0.2386,
0.3288

■ 65.1837, 0.2467,
0.3288

66.8921, 0.2567,
0.3288

69.0096, 0.2684,
0.3289

71.5601, 0.2816,
0.3289

74.5659, 0.2960,
0.3289

78.0477, 0.3113,
0.3290

Harmonies

Analogous

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



61.8552, 0.2649, 0.3876



61.8552, 0.2257, 0.3287



61.8552, 0.2093, 0.2771

Triad

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



61.8552, 0.2257, 0.3287



61.8552, 0.2974, 0.2501



61.8552, 0.4154, 0.4057

Complementary

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



61.8552, 0.2257, 0.3287



17.2501, 0.6259, 0.3299

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.



61.8552, 0.4284, 0.3641



61.8552, 0.2257, 0.3287



61.8552, 0.3567, 0.2788

Square

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



61.8552, 0.2257, 0.3287



61.8552, 0.2475, 0.2380



61.8552, 0.4067, 0.3191



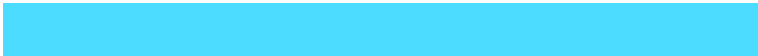
61.8552, 0.3746, 0.4322

Rectangle

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



61.8552, 0.2257, 0.3287



61.8552, 0.2117, 0.2540



61.8552, 0.4067, 0.3191



61.8552, 0.4234, 0.3928

Sweetspot

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



61.8575, 0.2257, 0.3287



89.1913, 0.2732, 0.3289



56.2694, 0.3003, 0.5935



18.8638, 0.2688, 0.3289



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.



61.8575, 0.2257, 0.3287



78.7155, 0.2246, 0.3287



20.4722, 0.1827, 0.1717



16.3360, 0.2982, 0.3290



35.2639, 0.2246, 0.3287



2.6060, 0.2246, 0.3287

Inverse Universe

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



22.8526, 0.3208, 0.1569



28.4775, 0.3210, 0.1542



31.3725, 0.5247, 0.4138



14.6152, 0.3138, 0.3059



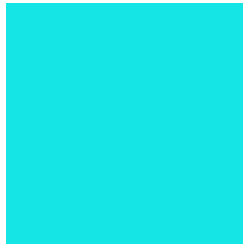
12.7576, 0.3210, 0.1542



0.9428, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 61.8552, 0.2257, 0.3287 looks on a white background.

Color Contrast Check

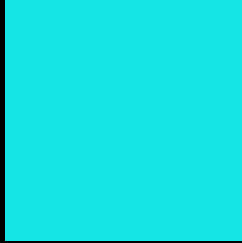
Large Text (above 18pt) WCAG AA × Fail

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 61.8552, 0.2257, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

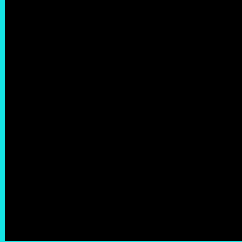
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.8552, 0.2257, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 61.8552, 0.2257, 0.3287.

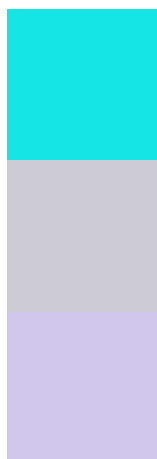


This preview shows how white text looks on a background with the Yxy color 61.8552, 0.2257, 0.3287.

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

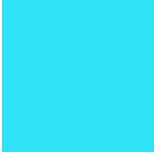
61.8552, 0.2257, 0.3287

Protanopia

60.4951, 0.3072, 0.3174

Deuteranopia

60.4583, 0.2944, 0.2878



Tritanopia

62.0886, 0.2217, 0.3057

Trichromacy



Original Color

61.8552, 0.2257, 0.3287



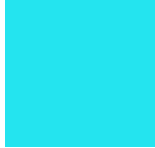
Protanomaly

57.6047, 0.2599, 0.3199



Deuteranomaly

57.6391, 0.2538, 0.3002



Tritanomaly

62.0939, 0.2231, 0.3144

Monochromacy



Original Color

61.8552, 0.2257, 0.3287



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.1220, 0.2582, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8552, 0.2257, 0.3287 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(21, 229, 229)` looks like.

```
.text, #text, p{  
  color:rgb(21, 229, 229)  
}
```

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(21, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 229, 229) }
```

Border

The CSS property to change the border of an element to Yxy 61.8552, 0.2257, 0.3287 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(21, 229, 229) }
```

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

```
.border{ border-color:rgb(21, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(21, 229,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8552, 0.2257, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 229, 229) }
```

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

```
.background{ background-color: rgb(21, 229,  
229) }
```

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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