

Converting Colors

$Yxy(63.6228, 0.2519, 0.4129)$

Have a look what the booklet for
Yxy(63.6228, 0.2519, 0.4129)
contains.

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Color

Yxy(63.6366, 0.2517, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	29ECB1
RGB	41, 236, 177
RGB Percent	16%, 93%, 69%
CMY	0.8400, 0.0745, 0.3059
CMYK	0.83, 0.00, 0.25, 0.07
HSL	162°, 84%, 54%
HSV	162°, 83%, 93%
XYZ	38.8393, 63.6366, 51.8320
YIQ	170.9690, -97.2810, -59.6890

Conversions

Conversions Part 2

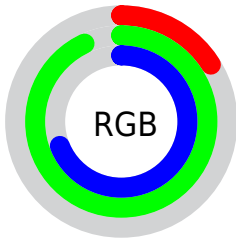
Format	Color
RYB	41, 156, 236
Decimal	2747569
CIELab	83.78, -59.04, 15.87
CIELCh	84, 61.130, 164.957
Yxy	63.6366, 0.2517, 0.4124
Android (android.graphics.Color)	4280937649 (0xFF29ECB1)
YUV	170.9690, 2.9733, -113.9828
Hunter-Lab	79.7726, -52.6947, 17.3172

Details

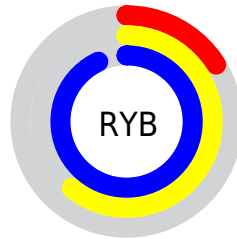
The Yxy color **63.6366, 0.2517, 0.4124** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **20.3223, 0.5237, 0.2825**, and the grayscale version is **40.6997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5408, 0.2546, 0.3549**, and **33.6954, 0.2534, 0.4321** is the 20% darker color. If you saturate the color by 10%, you get **63.0158, 0.2521, 0.4239**, and if you desaturate by 10%, it is **64.5671, 0.2533, 0.4008**.

Distribution



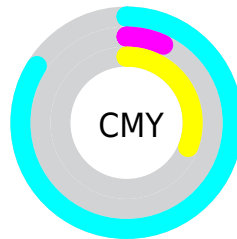
- Red (16%)
- Green (93%)
- Blue (69%)



- Red (16%)
- Yellow (61%)
- Blue (93%)



- Cyan (83%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)




- Cyan (84%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6366, 0.2517, 0.4124 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 63.6366, 0.2517, 0.4124 by changing the saturation by 10% instead.


 63.6366, 0.2517,
0.4124


 63.6366, 0.2517,
0.4124


437.8762, 0.2815,
0.3708

 46.3564, 0.2445,
0.4227


 110.0874, 0.2623,
0.3973

 32.5272, 0.2355,
0.4359


 140.0268, 0.2664,
0.3916


 21.7645, 0.2237,
0.4533


 174.9548, 0.2698,
0.3868

 13.6839, 0.2078,
0.4774

 215.2556, 0.2728,
0.3827

 7.9012, 0.1855,
0.5124

 261.3138, 0.2754,
0.3791

 4.0318, 0.1520,
0.5674

313.5137, 0.2777,

 1.6914, 0.0037,

0.3760

0.7513

372.2397, 0.2797,
0.3732

■ 0.4180, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6366, 0.2517,
0.4124

■ 63.6366, 0.2517,
0.4124

■ 63.0158, 0.2521,
0.4239


■ 64.5671, 0.2533,
0.4008

■ 62.7023, 0.2534,
0.4322


■ 65.8454, 0.2569,
0.3892


■ 67.5115, 0.2624,
0.3780


■ 69.5983, 0.2696,
0.3672

 72.1349, 0.2783,
0.3570

 75.1479, 0.2880,
0.3475

 78.6616, 0.2986,
0.3389

 82.6988, 0.3097,
0.3310

 87.2808, 0.3210,
0.3239

Harmonies

Analogous

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



63.6366, 0.3220, 0.4654



63.6366, 0.2517, 0.4124



63.6366, 0.2016, 0.3304

Triad

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



63.6366, 0.2517, 0.4124



63.6366, 0.2254, 0.2128



63.6366, 0.4651, 0.3670

Complementary

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



63.6366, 0.2517, 0.4124



20.3223, 0.5237, 0.2825

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.



63.6366, 0.4350, 0.3111



63.6366, 0.2517, 0.4124



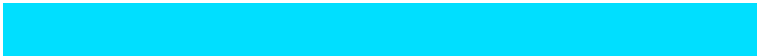
63.6366, 0.2878, 0.2272

Square

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



63.6366, 0.2517, 0.4124



63.6366, 0.1892, 0.2228



63.6366, 0.3663, 0.2620



63.6366, 0.4474, 0.4223

Rectangle

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



63.6366, 0.2517, 0.4124



63.6366, 0.1844, 0.2814



63.6366, 0.3663, 0.2620



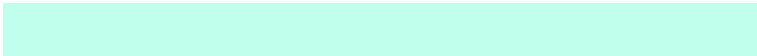
63.6366, 0.4605, 0.3481

Sweetspot

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



63.6391, 0.2517, 0.4124



88.6693, 0.2856, 0.3497



63.0167, 0.3229, 0.5661



18.7040, 0.2821, 0.3531



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.



63.6391, 0.2517, 0.4124



74.7788, 0.2533, 0.4315



47.9347, 0.2145, 0.2797



17.0398, 0.3021, 0.3362



34.5829, 0.2529, 0.4304



2.7325, 0.2485, 0.4145

Inverse Universe

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



20.3223, 0.5237, 0.2825



21.8778, 0.5775, 0.2961



23.2426, 0.5748, 0.3552



15.1290, 0.3245, 0.3219



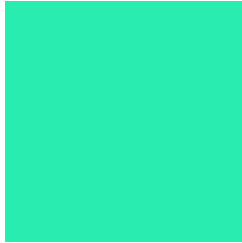
10.1030, 0.5751, 0.2942



0.8098, 0.5357, 0.2725

Previews

White Background



This preview shows how the Yxy color 63.6366, 0.2517, 0.4124 looks on a white background.

Color Contrast Check

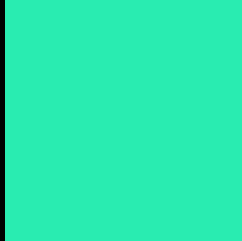
Large Text (above 18pt) WCAG AA × Fail

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 63.6366, 0.2517, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

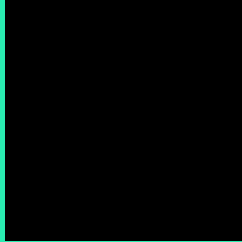
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6366, 0.2517, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 63.6366, 0.2517, 0.4124.



This preview shows how white text looks on a background with the Yxy color 63.6366, 0.2517, 0.4124.

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

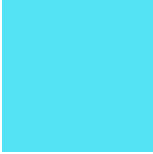
63.6366, 0.2517, 0.4124

Protanopia

62.4856, 0.3551, 0.3797

Deuteranopia

62.0118, 0.3525, 0.3446



Tritanopia

63.4156, 0.2298, 0.3061

Trichromacy



Original Color

63.6366, 0.2517, 0.4124



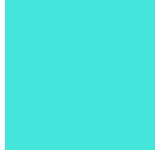
Protanomaly

59.9385, 0.3008, 0.3948



Deuteranomaly

58.3569, 0.2981, 0.3678



Tritanomaly

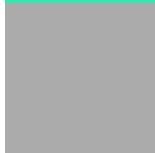
62.9899, 0.2367, 0.3420

Monochromacy



Original Color

63.6366, 0.2517, 0.4124



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

46.3324, 0.2756, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6366, 0.2517, 0.4124 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(41, 236, 177)` looks like.

```
.text, #text, p{  
    color:rgb(41, 236, 177)  
}
```

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(41, 236, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 236, 177) }
```

Border

The CSS property to change the border of an element to Yxy 63.6366, 0.2517, 0.4124 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(41, 236, 177) }
```

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

```
.border{ border-color:rgb(41, 236, 177) }
```

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

Here you see how a box with a 4 pixel rgb(41, 236, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 236, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 236, 177);  
box-shadow:4px 4px 4px 4px rgb(41, 236,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6366, 0.2517, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 236, 177) }
```

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

```
.background{ background-color: rgb(41, 236,  
177) }
```

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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