

Converting Colors

$Y_{xy}(49.0268, 0.2554, 0.4249)$

Have a look what the booklet for
Yxy(49.0268, 0.2554, 0.4249)
contains.

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Color

Yxy(49.1656, 0.2557, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	24D396
RGB	36, 211, 150
RGB Percent	14%, 83%, 59%
CMY	0.8583, 0.1726, 0.4117
CMYK	0.83, 0.00, 0.29, 0.17
HSL	159°, 71%, 48%
HSV	159°, 83%, 83%
XYZ	29.5317, 49.1656, 36.7962
YIQ	151.7210, -84.7190, -56.0710

Conversions

Conversions Part 2

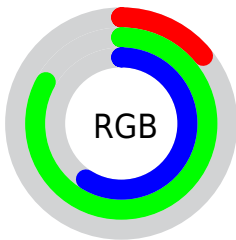
Format	Color
RYB	36, 142, 211
Decimal	2413462
CIELab	75.55, -55.98, 18.54
CIELCh	76, 58.970, 161.672
Yxy	49.1656, 0.2557, 0.4257
Android (android.graphics.Color)	4280603542 (0xFF24D396)
YUV	151.7210, -0.8485, -101.4873
Hunter-Lab	70.1182, -47.5279, 17.9688

Details

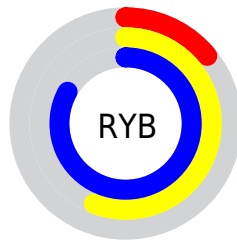
The Yxy color **49.1656, 0.2557, 0.4257** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.9843, 0.5070, 0.2732**, and the grayscale version is **31.3237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3903, 0.2641, 0.3921**, and **24.3435, 0.2584, 0.4501** is the 20% darker color. If you saturate the color by 10%, you get **48.6621, 0.2565, 0.4391**, and if you desaturate by 10%, it is **49.9115, 0.2569, 0.4122**.

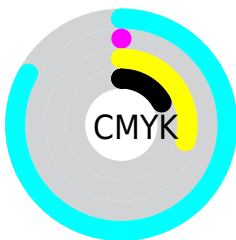
Distribution



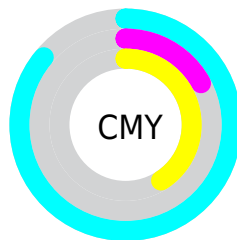
- Red (14%)
- Green (83%)
- Blue (59%)



- Red (14%)
- Yellow (56%)
- Blue (83%)



- Cyan (83%)
- Magenta (0%)
- Yellow (29%)
- Black (17%)





- Cyan (86%)
- Magenta (17%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1656, 0.2557, 0.4257 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 49.1656, 0.2557, 0.4257 by changing the saturation by 10% instead.


 49.1656, 0.2557,
0.4257

 49.1656, 0.2557,
0.4257


383.3939, 0.2852,
0.3749


 34.7509, 0.2481,
0.4391


 88.9374, 0.2666,
0.4067


 23.4710, 0.2381,
0.4568


 115.0632, 0.2707,
0.3997


 14.9417, 0.2246,
0.4810


 145.8615, 0.2741,
0.3939

 8.7785, 0.2054,
0.5161

 181.7166, 0.2770,
0.3889

 4.5970, 0.1762,
0.5707

 223.0130, 0.2795,
0.3847

 2.0128, 0.0944,
0.7034

270.1351, 0.2816,

 0.6149, 0.0000,

0.3810

1.0000

323.4673, 0.2835,
0.3778

■ 0.0000, 0.0000,
0.0000

■ 49.1656, 0.2557,
0.4257

■ 49.1656, 0.2557,
0.4257

■ 48.6621, 0.2565,
0.4391

■ 49.9115, 0.2569,
0.4122

■ 48.4053, 0.2579,
0.4484

■ 50.9285, 0.2602,
0.3988

■ 52.2471, 0.2653,
0.3857

■ 53.8923, 0.2721,
0.3732

■ 55.8862, 0.2803,
0.3614

■ 58.2492, 0.2894,
0.3505

■ 61.0000, 0.2993,
0.3405

■ 64.1559, 0.3097,
0.3314

■ 67.7332, 0.3203,
0.3233

Harmonies

Analogous

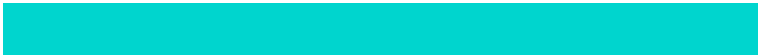
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1656, 0.3303, 0.4756



49.1656, 0.2557, 0.4257



49.1656, 0.2007, 0.3394

Triad

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



49.1656, 0.2557, 0.4257



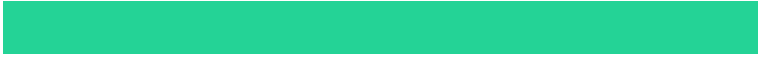
49.1656, 0.2159, 0.2077



49.1656, 0.4717, 0.3613

Complementary

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



49.1656, 0.2557, 0.4257



15.9843, 0.5070, 0.2732

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.



49.1656, 0.4349, 0.3038



49.1656, 0.2557, 0.4257



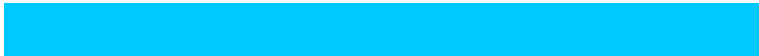
49.1656, 0.2781, 0.2202

Square

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



49.1656, 0.2557, 0.4257



49.1656, 0.1816, 0.2208



49.1656, 0.3597, 0.2542



49.1656, 0.4577, 0.4195

Rectangle

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



49.1656, 0.2557, 0.4257



49.1656, 0.1808, 0.2861



49.1656, 0.3597, 0.2542



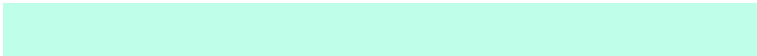
49.1656, 0.4651, 0.3417

Sweetspot

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



49.1675, 0.2557, 0.4257



88.4988, 0.2871, 0.3530



49.2757, 0.3265, 0.5629



18.6630, 0.2839, 0.3569



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.



49.1675, 0.2557, 0.4257



74.3252, 0.2580, 0.4485



39.6822, 0.2172, 0.2893



13.3341, 0.3029, 0.3372



29.2335, 0.2574, 0.4464



1.6492, 0.2506, 0.4222

Inverse Universe

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



15.9843, 0.5070, 0.2732



22.0635, 0.5603, 0.2866



17.4626, 0.5795, 0.3498



11.8753, 0.3237, 0.3209



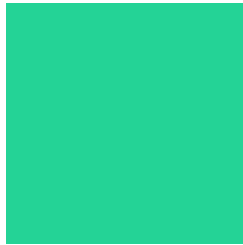
8.6704, 0.5565, 0.2839



0.4996, 0.5050, 0.2556

Previews

White Background



This preview shows how the Yxy color 49.1656, 0.2557, 0.4257 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 49.1656, 0.2557, 0.4257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

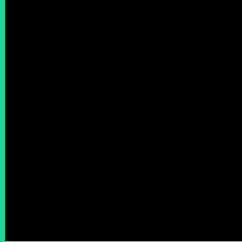
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1656, 0.2557, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 49.1656, 0.2557, 0.4257.

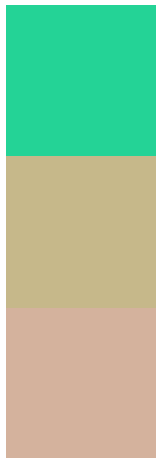


This preview shows how white text looks on a background with the Yxy color 49.1656, 0.2557, 0.4257.

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

49.1656, 0.2557, 0.4257

Protanopia

48.1217, 0.3627, 0.3878

Deuteranopia

48.2722, 0.3613, 0.3548



Tritanopia

48.9333, 0.2304, 0.3050

Trichromacy



Original Color

49.1656, 0.2557, 0.4257



Protanomaly

46.0255, 0.3068, 0.4056



Deuteranomaly

45.4559, 0.3055, 0.3809



Tritanomaly

48.5818, 0.2383, 0.3451

Monochromacy



Original Color

49.1656, 0.2557, 0.4257



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

35.4365, 0.2777, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1656, 0.2557, 0.4257 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(36, 211, 150)` looks like.

```
.text, #text, p{  
    color:rgb(36, 211, 150)  
}
```

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(36, 211, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 211, 150) }
```

Border

The CSS property to change the border of an element to Yxy 49.1656, 0.2557, 0.4257 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(36, 211, 150) }
```

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

```
.border{ border-color:rgb(36, 211, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 211, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 211, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 211, 150);  
box-shadow:4px 4px 4px 4px rgb(36, 211,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1656, 0.2557, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 211, 150) }
```

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

```
.background{ background-color: rgb(36, 211,  
150) }
```

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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