

Converting Colors

$Yxy(38.9666, 0.2643, 0.4536)$

Have a look what the booklet for
Yxy(38.9666, 0.2643, 0.4536)
contains.

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Color

Yxy(38.9578, 0.2646, 0.4544)

Conversions

Conversions Part 1

Format	Color
Hex	22BF78
RGB	34, 191, 120
RGB Percent	13%, 75%, 47%
CMY	0.8659, 0.2510, 0.5294
CMYK	0.82, 0.00, 0.37, 0.25
HSL	153°, 70%, 44%
HSV	153°, 82%, 75%
XYZ	22.6854, 38.9578, 24.0914
YIQ	135.9630, -70.7810, -55.3650

Conversions

Conversions Part 2

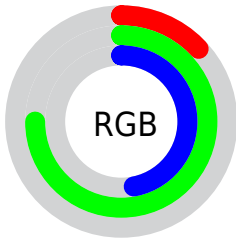
Format	Color
RYB	34, 135, 191
Decimal	2277240
CIELab	68.72, -55.02, 25.10
CIELCh	69, 60.481, 155.476
Yxy	38.9578, 0.2646, 0.4544
Android (android.graphics.Color)	4280467320 (0xFF22BF78)
YUV	135.9630, -7.8698, -89.4216
Hunter-Lab	62.4162, -44.3519, 20.8066

Details

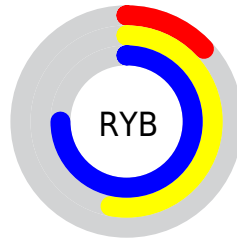
The Yxy color **38.9578, 0.2646, 0.4544** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **13.2560, 0.4685, 0.2522**, and the grayscale version is **24.6791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2777, 0.2748, 0.4269**, and **18.0633, 0.2692, 0.4891** is the 20% darker color. If you saturate the color by 10%, you get **38.5176, 0.2659, 0.4717**, and if you desaturate by 10%, it is **39.6006, 0.2653, 0.4367**.

Distribution



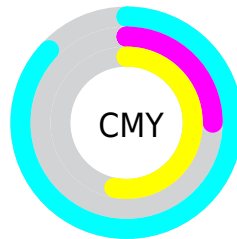
- Red (13%)
- Green (75%)
- Blue (47%)



- Red (13%)
- Yellow (53%)
- Blue (75%)



- Cyan (82%)
- Magenta (0%)
- Yellow (37%)
- Black (25%)



- Cyan (87%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9578, 0.2646, 0.4544 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 38.9578, 0.2646, 0.4544 by changing the saturation by 10% instead.


 38.9578, 0.2646,
0.4544

 38.9578, 0.2646,
0.4544


341.7110, 0.2916,
0.3853


 26.7269, 0.2568,
0.4739


 73.5738, 0.2752,
0.4276

 17.3682, 0.2460,
0.5004


 96.7278, 0.2789,
0.4181


 10.4974, 0.2305,
0.5380


 124.2915, 0.2820,
0.4102

 5.7300, 0.2063,
0.5950

 156.6495, 0.2846,
0.4036

 2.6816, 0.1645,
0.7039

 194.1860, 0.2867,
0.3980

 0.9678, 0.0000,
1.0000

237.2855, 0.2886,

 0.0000, 0.0000,

0.3932

0.0000

286.3324, 0.2902,
0.3889

■ 38.9578, 0.2646,
0.4544

■ 38.9578, 0.2646,
0.4544

■ 38.5176, 0.2659,
0.4717

■ 39.6006, 0.2653,
0.4367

■ 38.2695, 0.2680,
0.4849

■ 40.4678, 0.2679,
0.4191

■ 41.5833, 0.2723,
0.4019

■ 42.9667, 0.2783,
0.3854

■ 44.6354, 0.2854,
0.3700

■ 46.6054, 0.2934,
0.3558

■ 48.8915, 0.3019,
0.3429

■ 51.5075, 0.3108,
0.3313

■ 54.4662, 0.3198,
0.3209

Harmonies

Analogous

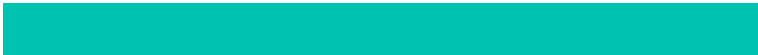
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.9578, 0.3477, 0.4953



38.9578, 0.2646, 0.4544



38.9578, 0.1994, 0.3601

Triad

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



38.9578, 0.2646, 0.4544



38.9578, 0.1968, 0.1975



38.9578, 0.4846, 0.3488

Complementary

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



38.9578, 0.2646, 0.4544



13.2560, 0.4685, 0.2522

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.



38.9578, 0.4333, 0.2884



38.9578, 0.2646, 0.4544



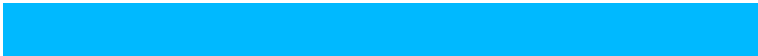
38.9578, 0.2578, 0.2060

Square

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



38.9578, 0.2646, 0.4544



38.9578, 0.1666, 0.2170



38.9578, 0.3448, 0.2381



38.9578, 0.4787, 0.4126

Rectangle

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



38.9578, 0.2646, 0.4544



38.9578, 0.1738, 0.2972



38.9578, 0.3448, 0.2381



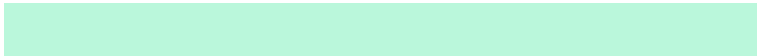
38.9578, 0.4736, 0.3281

Sweetspot

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



38.9594, 0.2646, 0.4544



82.2468, 0.2907, 0.3604



40.5256, 0.3401, 0.5507



17.7855, 0.2878, 0.3654



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9594, 0.2646, 0.4544



68.5425, 0.2684, 0.4857



39.1258, 0.2259, 0.3205



10.7346, 0.3044, 0.3396



25.1679, 0.2674, 0.4826



0.9989, 0.2561, 0.4420

Inverse Universe

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



13.2560, 0.4685, 0.2522



21.0920, 0.5175, 0.2629



12.6722, 0.5929, 0.3337



9.6063, 0.3219, 0.3187



7.7418, 0.5132, 0.2601



0.3165, 0.4555, 0.2283

Previews

White Background



This preview shows how the Yxy color 38.9578, 0.2646, 0.4544 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 38.9578, 0.2646, 0.4544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

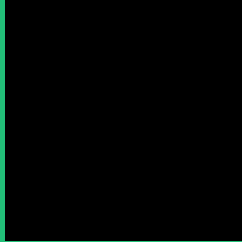
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9578, 0.2646, 0.4544

Background



This preview shows how black text looks on a background with the Yxy color 38.9578, 0.2646, 0.4544.



This preview shows how white text looks on a background with the Yxy color 38.9578, 0.2646, 0.4544.

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

38.9578, 0.2646, 0.4544

Protanopia

38.1015, 0.3768, 0.4070

Deuteranopia

37.9307, 0.3797, 0.3718



Tritanopia

38.8973, 0.2332, 0.3073

Trichromacy



Original Color

38.9578, 0.2646, 0.4544



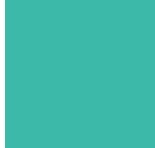
Protanomaly

36.3869, 0.3190, 0.4280



Deuteranomaly

35.8994, 0.3207, 0.4038



Tritanomaly

38.4857, 0.2437, 0.3568

Monochromacy



Original Color

38.9578, 0.2646, 0.4544



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.0413, 0.2826, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9578, 0.2646, 0.4544 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(34, 191, 120)` looks like.

```
.text, #text, p{  
  color:rgb(34, 191, 120)  
}
```

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(34, 191, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 191, 120) }
```

Border

The CSS property to change the border of an element to Yxy 38.9578, 0.2646, 0.4544 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(34, 191, 120) }
```

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

```
.border{ border-color:rgb(34, 191, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 191, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 191, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 191, 120);  
box-shadow:4px 4px 4px 4px rgb(34, 191,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9578, 0.2646, 0.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 191, 120) }
```

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

```
.background{ background-color: rgb(34, 191,  
120) }
```

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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