

Converting Colors

$Y_{xy}(60.2797, 0.2596, 0.4484)$

Have a look what the booklet for
Yxy(60.2797, 0.2596, 0.4484)
contains.

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Color

Yxy(60.1297, 0.2597, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	17E897
RGB	23, 232, 151
RGB Percent	9%, 91%, 59%
CMY	0.9103, 0.0902, 0.4078
CMYK	0.90, 0.00, 0.35, 0.09
HSL	157°, 82%, 50%
HSV	157°, 90%, 91%
XYZ	34.7943, 60.1297, 39.0548
YIQ	160.2750, -98.5630, -69.4990

Conversions

Conversions Part 2

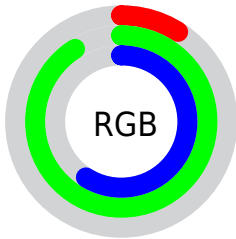
Format	Color
R_{YB}	23, 153, 232
Decimal	1566871
CIE _{Lab}	81.91, -64.34, 26.71
CIE _{LCh}	82, 69.663, 157.459
Yxy	60.1297, 0.2597, 0.4488
Android (android.graphics.Color)	4279756951 (0xFF17E897)
YUV	160.2750, -4.5726, -120.3902
Hunter-Lab	77.5433, -55.6065, 24.4188

Details

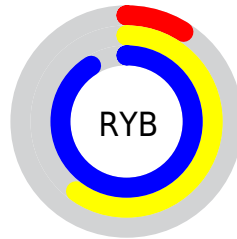
The Yxy color **60.1297, 0.2597, 0.4488** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **18.7619, 0.5182, 0.2695**, and the grayscale version is **35.3279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5536, 0.2635, 0.3894**, and **31.5608, 0.2659, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **59.6741, 0.2620, 0.4633**, and if you desaturate by 10%, it is **60.8373, 0.2591, 0.4338**.

Distribution



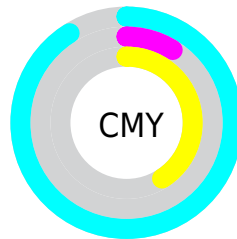
- Red (9%)
- Green (91%)
- Blue (59%)



- Red (9%)
- Yellow (60%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (35%)
- Black (9%)




- Cyan (91%)
- Magenta (9%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1297, 0.2597, 0.4488 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 60.1297, 0.2597, 0.4488 by changing the saturation by 10% instead.


 60.1297, 0.2597,
0.4488


 60.1297, 0.2597,
0.4488


425.0757, 0.2871,
0.3872

 43.5232, 0.2527,
0.4646


 105.0178, 0.2698,
0.4261

 30.2958, 0.2435,
0.4849


 134.0682, 0.2736,
0.4177

 20.0632, 0.2312,
0.5123


 168.0353, 0.2767,
0.4106

 12.4410, 0.2139,
0.5505

 207.3035, 0.2794,
0.4045

 7.0448, 0.1882,
0.6070

 252.2573, 0.2817,
0.3993

 3.4901, 0.1470,
0.6982

303.2810, 0.2838,

 1.3926, 0.0000,

0.3947

1.0000

360.7590, 0.2855,
0.3907

■ 0.2113, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1297, 0.2597,
0.4488

■ 60.1297, 0.2597,
0.4488

■ 59.6741, 0.2620,
0.4633

■ 60.8373, 0.2591,
0.4338

■ 61.8561, 0.2605,
0.4185

■ 63.2300, 0.2639,
0.4035

■ 64.9939, 0.2691,
0.3889

■ 67.1785, 0.2760,
0.3749

■ 69.8112, 0.2840,
0.3619

■ 72.9170, 0.2930,
0.3499

■ 76.5194, 0.3026,
0.3390

■ 80.6397, 0.3126,
0.3291

Harmonies

Analogous

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



60.1297, 0.3421, 0.4943



60.1297, 0.2597, 0.4488



60.1297, 0.1965, 0.3534

Triad

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



60.1297, 0.2597, 0.4488



60.1297, 0.2002, 0.1976



60.1297, 0.4855, 0.3530

Complementary

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



60.1297, 0.2597, 0.4488



18.7619, 0.5182, 0.2695

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.



60.1297, 0.4378, 0.2923



60.1297, 0.2597, 0.4488



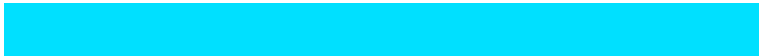
60.1297, 0.2631, 0.2077

Square

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



60.1297, 0.2597, 0.4488



60.1297, 0.1680, 0.2151



60.1297, 0.3509, 0.2412



60.1297, 0.4759, 0.4166

Rectangle

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



60.1297, 0.2597, 0.4488



60.1297, 0.1724, 0.2918



60.1297, 0.3509, 0.2412



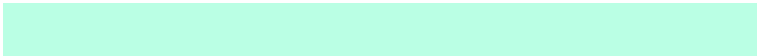
60.1297, 0.4758, 0.3322

Sweetspot

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



60.1321, 0.2597, 0.4488



87.5979, 0.2866, 0.3582



60.8748, 0.3285, 0.5710



18.4832, 0.2836, 0.3625



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.



60.1321, 0.2597, 0.4488



73.9284, 0.2622, 0.4640



52.6423, 0.2180, 0.3002



16.2368, 0.3033, 0.3383



33.1522, 0.2614, 0.4609



2.4679, 0.2554, 0.4394

Inverse Universe

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



18.7619, 0.5182, 0.2695



22.1563, 0.5478, 0.2792



19.0043, 0.6130, 0.3394



14.4599, 0.3232, 0.3199



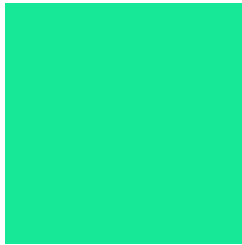
9.9556, 0.5424, 0.2761



0.7534, 0.5031, 0.2545

Previews

White Background



This preview shows how the Yxy color 60.1297, 0.2597, 0.4488 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 60.1297, 0.2597, 0.4488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

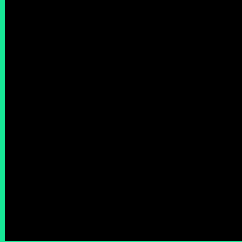
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1297, 0.2597, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 60.1297, 0.2597, 0.4488.

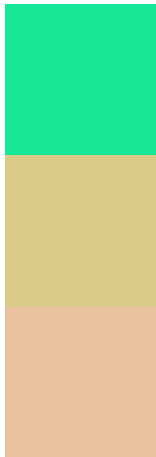


This preview shows how white text looks on a background with the Yxy color 60.1297, 0.2597, 0.4488.

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

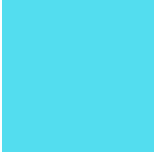
60.1297, 0.2597, 0.4488

Protanopia

58.9815, 0.3737, 0.4036

Deuteranopia

58.7838, 0.3741, 0.3671



Tritanopia

59.7839, 0.2301, 0.3056

Trichromacy



Original Color

60.1297, 0.2597, 0.4488



Protanomaly

55.7747, 0.3109, 0.4252



Deuteranomaly

54.8152, 0.3102, 0.3978



Tritanomaly

59.3475, 0.2390, 0.3536

Monochromacy



Original Color

60.1297, 0.2597, 0.4488



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

40.8671, 0.2756, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1297, 0.2597, 0.4488 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(23, 232, 151)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 151)  
}
```

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(23, 232, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 151) }
```

Border

The CSS property to change the border of an element to Yxy 60.1297, 0.2597, 0.4488 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(23, 232, 151) }
```

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

```
.border{ border-color:rgb(23, 232, 151) }
```

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

Here you see how a box with a 4 pixel rgb(23, 232, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 151);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1297, 0.2597, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 151) }
```

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

```
.background{ background-color: rgb(23, 232,  
151) }
```

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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