

Converting Colors

$Y_{xy}(36.3072, 0.2570, 0.4380)$

Have a look what the booklet for
Yxy(36.3072, 0.2570, 0.4380)
contains.

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Color

Yxy(36.3072, 0.2570, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	12B97D
RGB	18, 185, 125
RGB Percent	7%, 73%, 49%
CMY	0.9282, 0.2745, 0.5099
CMYK	0.90, 0.00, 0.32, 0.27
HSL	158°, 82%, 40%
HSV	158°, 90%, 73%
XYZ	21.3035, 36.3072, 25.2824
YIQ	128.2270, -80.2720, -54.0640

Conversions

Conversions Part 2

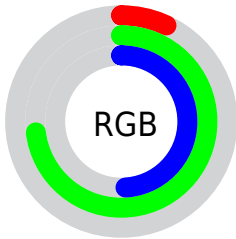
Format	Color
RYB	18, 120, 185
Decimal	1227133
CIELab	66.75, -52.98, 19.75
CIELCh	67, 56.540, 159.553
Yxy	36.3072, 0.2570, 0.4380
Android (android.graphics.Color)	4279417213 (0xFF12B97D)
YUV	128.2270, -1.5909, -96.6691
Hunter-Lab	60.2555, -42.3377, 17.3015

Details

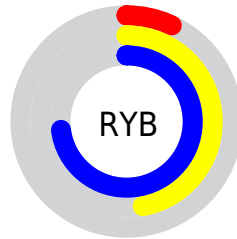
The Yxy color **36.3072, 0.2570, 0.4380** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.3113, 0.5241, 0.2743**, and the grayscale version is **21.7285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4279, 0.2687, 0.4142**, and **16.7544, 0.2635, 0.4687** is the 20% darker color. If you saturate the color by 10%, you get **36.0141, 0.2587, 0.4514**, and if you desaturate by 10%, it is **36.7428, 0.2568, 0.4242**.

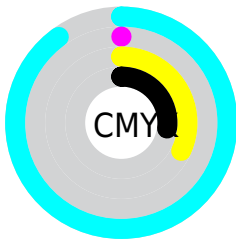
Distribution



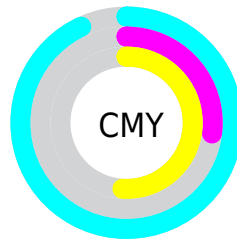
- Red (7%)
- Green (73%)
- Blue (49%)



- Red (7%)
- Yellow (47%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (32%)
- Black (27%)



- Cyan (93%)
- Magenta (27%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3072, 0.2570, 0.4380 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 36.3072, 0.2570, 0.4380 by changing the saturation by 10% instead.


 36.3072, 0.2570,
0.4380


 36.3072, 0.2570,
0.4380


 330.3013, 0.2877,
0.3776


 24.6715, 0.2483,
0.4552


 69.5060, 0.2689,
0.4145


 15.8325, 0.2366,
0.4787


 91.8379, 0.2731,
0.4062


 9.4057, 0.2198,
0.5125

 118.5039, 0.2766,
0.3993


 5.0067, 0.1941,
0.5647

 149.8886, 0.2795,
0.3936

 2.2512, 0.1398,
0.6701

 186.3763, 0.2820,
0.3887

 0.7477, 0.0000,
1.0000

 228.3514, 0.2841,

 0.0000, 0.0000,

0.3845

0.0000

276.1982, 0.2860,
0.3809

■ 36.3072, 0.2570,
0.4380

■ 36.3072, 0.2570,
0.4380

■ 36.0141, 0.2587,
0.4514

■ 36.7428, 0.2568,
0.4242

■ 37.3616, 0.2587,
0.4104

■ 38.1883, 0.2625,
0.3967

■ 39.2427, 0.2680,
0.3834

■ 40.5423, 0.2751,
0.3708

■ 42.1027, 0.2834,
0.3590

■ 43.9382, 0.2926,
0.3481

■ 46.0621, 0.3024,
0.3381

■ 48.4867, 0.3126,
0.3291

Harmonies

Analogous

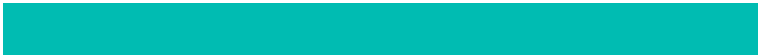
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.3072, 0.3361, 0.4865



36.3072, 0.2570, 0.4380



36.3072, 0.1976, 0.3462

Triad

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



36.3072, 0.2570, 0.4380



36.3072, 0.2073, 0.2018



36.3072, 0.4800, 0.3574

Complementary

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



36.3072, 0.2570, 0.4380



11.3113, 0.5241, 0.2743

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.



36.3072, 0.4377, 0.2979



36.3072, 0.2570, 0.4380



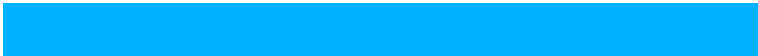
36.3072, 0.2704, 0.2132

Square

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



36.3072, 0.2570, 0.4380



36.3072, 0.1738, 0.2170



36.3072, 0.3559, 0.2471



36.3072, 0.4679, 0.4188

Rectangle

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



36.3072, 0.2570, 0.4380



36.3072, 0.1756, 0.2883



36.3072, 0.3559, 0.2471



36.3072, 0.4719, 0.3370

Sweetspot

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



36.3086, 0.2570, 0.4380



76.2340, 0.2857, 0.3560



36.4221, 0.3255, 0.5721



16.2098, 0.2827, 0.3598



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.3086, 0.2570, 0.4380



64.4570, 0.2593, 0.4535



29.7478, 0.2157, 0.2908



10.1543, 0.3032, 0.3374



24.5376, 0.2583, 0.4497



0.8764, 0.2485, 0.4147

Inverse Universe

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



11.3113, 0.5241, 0.2743



19.1495, 0.5579, 0.2847



11.9125, 0.6041, 0.3444



9.0642, 0.3233, 0.3208



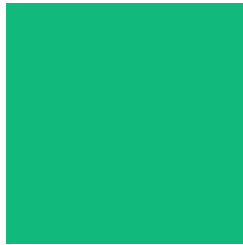
7.3086, 0.5505, 0.2806



0.2697, 0.4786, 0.2410

Previews

White Background



This preview shows how the Yxy color 36.3072, 0.2570, 0.4380 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 36.3072, 0.2570, 0.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

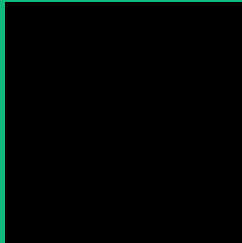
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3072, 0.2570, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 36.3072, 0.2570, 0.4380.



This preview shows how white text looks on a background with the Yxy color 36.3072, 0.2570, 0.4380.

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

36.3072, 0.2570, 0.4380

Protanopia

35.7033, 0.3693, 0.3967

Deuteranopia

35.6734, 0.3680, 0.3609



Tritanopia

36.3297, 0.2304, 0.3066

Trichromacy



Original Color

36.3072, 0.2570, 0.4380



Protanomaly

33.8394, 0.3077, 0.4169



Deuteranomaly

33.2930, 0.3071, 0.3903



Tritanomaly

36.0609, 0.2385, 0.3508

Monochromacy



Original Color

36.3072, 0.2570, 0.4380



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.1019, 0.2750, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3072, 0.2570, 0.4380 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(18, 185, 125)` looks like.

```
.text, #text, p{  
    color:rgb(18, 185, 125)  
}
```

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(18, 185, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 185, 125) }
```

Border

The CSS property to change the border of an element to Yxy 36.3072, 0.2570, 0.4380 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(18, 185, 125) }
```

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

```
.border{ border-color:rgb(18, 185, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 185, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 185, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 185, 125);  
box-shadow:4px 4px 4px 4px rgb(18, 185,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3072, 0.2570, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 185, 125) }
```

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

```
.background{ background-color: rgb(18, 185,  
125) }
```

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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