

Converting Colors

$Yxy(36.0818, 0.2707, 0.4865)$

Have a look what the booklet for
Yxy(36.0818, 0.2707, 0.4865)
contains.

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Color

Yxy(36.1665, 0.2708, 0.4871)

Conversions

Conversions Part 1

Format	Color
Hex	12BA64
RGB	18, 186, 100
RGB Percent	7%, 73%, 39%
CMY	0.9299, 0.2706, 0.6079
CMYK	0.90, 0.00, 0.46, 0.27
HSL	149°, 82%, 40%
HSV	149°, 90%, 73%
XYZ	20.1065, 36.1665, 17.9756
YIQ	125.9640, -72.5220, -62.3620

Conversions

Conversions Part 2

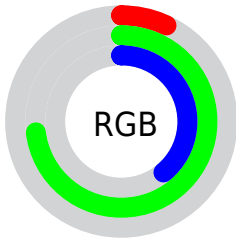
Format	Color
RYB	18, 131, 186
Decimal	1227364
CIELab	66.65, -58.31, 32.78
CIELCh	67, 66.896, 150.660
Yxy	36.1665, 0.2708, 0.4871
Android (android.graphics.Color)	4279417444 (0xFF12BA64)
YUV	125.9640, -12.8003, -94.6844
Hunter-Lab	60.1386, -45.5635, 24.3751

Details

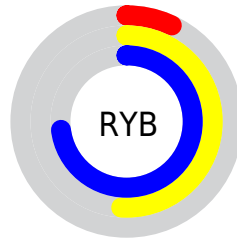
The Yxy color **36.1665, 0.2708, 0.4871** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.8659, 0.4688, 0.2423**, and the grayscale version is **20.9020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0775, 0.2812, 0.4520**, and **16.4716, 0.2808, 0.5307** is the 20% darker color. If you saturate the color by 10%, you get **35.8732, 0.2735, 0.5047**, and if you desaturate by 10%, it is **36.6194, 0.2694, 0.4678**.

Distribution



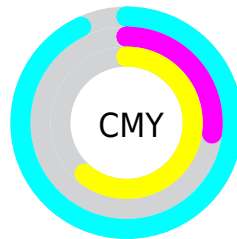
- Red (7%)
- Green (73%)
- Blue (39%)



- Red (7%)
- Yellow (51%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (46%)
- Black (27%)




- Cyan (93%)
- Magenta (27%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1665, 0.2708, 0.4871 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 36.1665, 0.2708, 0.4871 by changing the saturation by 10% instead.


 36.1665, 0.2708,
0.4871


 36.1665, 0.2708,
0.4871


329.6877, 0.2963,
0.3982


 24.5628, 0.2626,
0.5127


 69.2890, 0.2813,
0.4523

 15.7516, 0.2509,
0.5476


 91.5766, 0.2849,
0.4400

 9.3486, 0.2329,
0.5974


 118.1942, 0.2877,
0.4299

 4.9692, 0.2033,
0.6722

 149.5264, 0.2901,
0.4214

 2.2292, 0.1283,
0.8717

 185.9574, 0.2920,
0.4143

 0.7359, 0.0000,
1.0000

227.8717, 0.2937,

 0.0000, 0.0000,

0.4082

0.0000

275.6537, 0.2951,
0.4028

■ 36.1665, 0.2708,
0.4871

■ 36.1665, 0.2708,
0.4871

■ 35.8732, 0.2735,
0.5047

■ 36.6194, 0.2694,
0.4678

■ 37.2676, 0.2701,
0.4479

■ 38.1366, 0.2726,
0.4279

■ 39.2471, 0.2768,
0.4085

■ 40.6171, 0.2824,
0.3899

■ 42.2630, 0.2890,
0.3727

■ 44.1997, 0.2964,
0.3568

■ 46.4411, 0.3043,
0.3424

■ 49.0001, 0.3124,
0.3295

Harmonies

Analogous

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



36.1665, 0.3635, 0.5172



36.1665, 0.2708, 0.4871



36.1665, 0.1947, 0.3823

Triad

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



36.1665, 0.2708, 0.4871



36.1665, 0.1768, 0.1848



36.1665, 0.5017, 0.3369

Complementary

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



36.1665, 0.2708, 0.4871



11.8659, 0.4688, 0.2423

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.



36.1665, 0.4347, 0.2729



36.1665, 0.2708, 0.4871



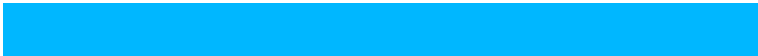
36.1665, 0.2376, 0.1900

Square

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



36.1665, 0.2708, 0.4871



36.1665, 0.1495, 0.2101



36.1665, 0.3311, 0.2210



36.1665, 0.5027, 0.4061

Rectangle

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



36.1665, 0.2708, 0.4871



36.1665, 0.1635, 0.3071



36.1665, 0.3311, 0.2210



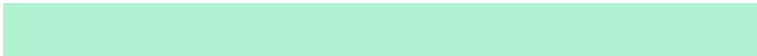
36.1665, 0.4862, 0.3147

Sweetspot

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



36.1680, 0.2708, 0.4871



77.5748, 0.2912, 0.3678



38.1517, 0.3435, 0.5585



16.8336, 0.2887, 0.3735



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.1680, 0.2708, 0.4871



64.9687, 0.2743, 0.5075



38.6754, 0.2273, 0.3333



10.1313, 0.3052, 0.3409



24.1476, 0.2729, 0.5024



0.8638, 0.2594, 0.4539

Inverse Universe

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



11.8659, 0.4688, 0.2423



20.3751, 0.4945, 0.2498



10.9216, 0.6197, 0.3286



9.0868, 0.3210, 0.3174



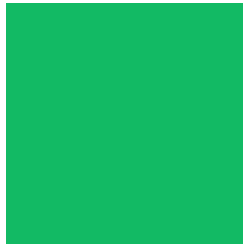
7.5961, 0.4883, 0.2464



0.2802, 0.4340, 0.2165

Previews

White Background



This preview shows how the Yxy color 36.1665, 0.2708, 0.4871 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 36.1665, 0.2708, 0.4871 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 36.1665, 0.2708, 0.4871

Background



This preview shows how black text looks on a background with the Yxy color 36.1665, 0.2708, 0.4871.



This preview shows how white text looks on a background with the Yxy color 36.1665, 0.2708, 0.4871.

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

36.1665, 0.2708, 0.4871

Protanopia

35.5922, 0.3929, 0.4268

Deuteranopia

35.5314, 0.3988, 0.3908



Tritanopia

36.1080, 0.2328, 0.3066

Trichromacy



Original Color

36.1665, 0.2708, 0.4871



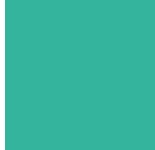
Protanomaly

33.4795, 0.3276, 0.4569



Deuteranomaly

32.9595, 0.3295, 0.4303



Tritanomaly

35.8069, 0.2451, 0.3684

Monochromacy



Original Color

36.1665, 0.2708, 0.4871



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.4904, 0.2821, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1665, 0.2708, 0.4871 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, 186, 100)` looks like.

```
.text, #text, p{  
    color:rgb(18, 186, 100)  
}
```

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, 186, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 186, 100) }
```

Border

The CSS property to change the border of an element to Yxy 36.1665, 0.2708, 0.4871 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, 186, 100) }
```

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

```
.border{ border-color:rgb(18, 186, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 186, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 186, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 186, 100);  
box-shadow:4px 4px 4px 4px rgb(18, 186,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1665, 0.2708, 0.4871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 186, 100) }
```

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

```
.background{ background-color: rgb(18, 186,  
100) }
```

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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