

Converting Colors

$Yxy(36.2616, 0.2659, 0.4500)$

Have a look what the booklet for
Yxy(36.2616, 0.2659, 0.4500)
contains.

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Color

Yxy(36.0812, 0.2657, 0.4486)

Conversions

Conversions Part 1

Format	Color
Hex	2AB876
RGB	42, 184, 118
RGB Percent	16%, 72%, 46%
CMY	0.8347, 0.2785, 0.5372
CMYK	0.77, 0.00, 0.36, 0.28
HSL	152°, 63%, 44%
HSV	152°, 77%, 72%
XYZ	21.3704, 36.0812, 22.9790
YIQ	134.0180, -63.4460, -50.6300

Conversions

Conversions Part 2

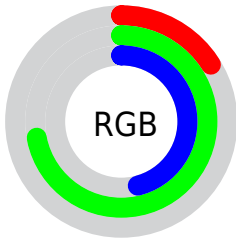
Format	Color
RYB	42, 134, 184
Decimal	2799734
CIELab	66.58, -51.92, 23.31
CIELCh	67, 56.910, 155.823
Yxy	36.0812, 0.2657, 0.4486
Android (android.graphics.Color)	4280989814 (0xFF2AB876)
YUV	134.0180, -7.8969, -80.6998
Hunter-Lab	60.0676, -41.6129, 19.3658

Details

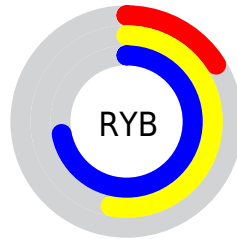
The Yxy color **36.0812, 0.2657, 0.4486** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.9432, 0.4505, 0.2501**, and the grayscale version is **23.9120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1659, 0.2760, 0.4220**, and **16.3949, 0.2682, 0.4855** is the 20% darker color. If you saturate the color by 10%, you get **35.5839, 0.2661, 0.4665**, and if you desaturate by 10%, it is **36.7781, 0.2673, 0.4304**.

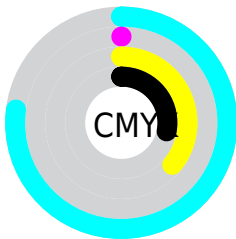
Distribution



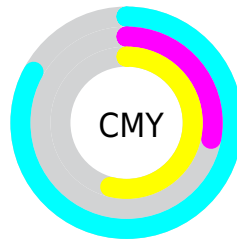
- Red (16%)
- Green (72%)
- Blue (46%)



- Red (16%)
- Yellow (53%)
- Blue (72%)



- Cyan (77%)
- Magenta (0%)
- Yellow (36%)
- Black (28%)




- Cyan (83%)
- Magenta (28%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0812, 0.2657, 0.4486 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 36.0812, 0.2657, 0.4486 by changing the saturation by 10% instead.


 36.0812, 0.2657,
0.4486


 36.0812, 0.2657,
0.4486


329.3153, 0.2923,
0.3820

 24.4969, 0.2579,
0.4677


 69.1574, 0.2762,
0.4226


 15.7026, 0.2471,
0.4938


 91.4181, 0.2799,
0.4134


 9.3140, 0.2314,
0.5314


 118.0063, 0.2829,
0.4059

 4.9465, 0.2066,
0.5894

 149.3066, 0.2854,
0.3995

 2.2159, 0.1559,
0.7235

 185.7032, 0.2875,
0.3942

 0.7287, 0.0000,
1.0000

227.5806, 0.2893,

 0.0000, 0.0000,

0.3896

0.0000

275.3232, 0.2909,
0.3856

■ 36.0812, 0.2657,
0.4486

■ 36.0812, 0.2657,
0.4486

■ 35.5839, 0.2661,
0.4665

■ 36.7781, 0.2673,
0.4304

■ 35.2507, 0.2683,
0.4838

■ 37.6923, 0.2708,
0.4125

■ 35.1680, 0.2691,
0.4888

■ 38.8442, 0.2759,
0.3952

■ 40.2506, 0.2823,
0.3788

■ 41.9269, 0.2898,
0.3636

■ 43.8869, 0.2979,
0.3497

■ 46.1438, 0.3065,
0.3371

■ 48.7098, 0.3153,
0.3258

■ 51.5963, 0.3241,
0.3158

Harmonies

Analogous

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



36.0812, 0.3463, 0.4892



36.0812, 0.2657, 0.4486



36.0812, 0.2025, 0.3582

Triad

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



36.0812, 0.2657, 0.4486



36.0812, 0.2007, 0.2012



36.0812, 0.4791, 0.3497

Complementary

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



36.0812, 0.2657, 0.4486



12.9432, 0.4505, 0.2501

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.



36.0812, 0.4300, 0.2906



36.0812, 0.2657, 0.4486



36.0812, 0.2606, 0.2096

Square

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



36.0812, 0.2657, 0.4486



36.0812, 0.1708, 0.2201



36.0812, 0.3449, 0.2412



36.0812, 0.4733, 0.4117

Rectangle

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



36.0812, 0.2657, 0.4486



36.0812, 0.1776, 0.2977



36.0812, 0.3449, 0.2412



36.0812, 0.4686, 0.3294

Sweetspot

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



36.0826, 0.2657, 0.4486



77.2620, 0.2927, 0.3583



37.6574, 0.3415, 0.5405



16.3935, 0.2899, 0.3635



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.



36.0826, 0.2657, 0.4486



64.0379, 0.2676, 0.4795



36.3035, 0.2280, 0.3210



10.1382, 0.3046, 0.3398



24.2535, 0.2685, 0.4867



0.8674, 0.2561, 0.4419

Inverse Universe

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



12.9432, 0.4505, 0.2501



20.2350, 0.4966, 0.2547



12.3824, 0.5720, 0.3341



9.0799, 0.3217, 0.3184



7.4958, 0.5077, 0.2570



0.2768, 0.4473, 0.2238

Previews

White Background



This preview shows how the Yxy color 36.0812, 0.2657, 0.4486 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 36.0812, 0.2657, 0.4486 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 36.0812, 0.2657, 0.4486

Background



This preview shows how black text looks on a background with the Yxy color 36.0812, 0.2657, 0.4486.



This preview shows how white text looks on a background with the Yxy color 36.0812, 0.2657, 0.4486.

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

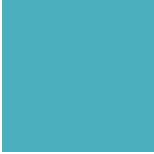
36.0812, 0.2657, 0.4486

Protanopia

35.5711, 0.3748, 0.4052

Deuteranopia

35.2832, 0.3766, 0.3691



Tritanopia

35.8299, 0.2346, 0.3066

Trichromacy



Original Color

36.0812, 0.2657, 0.4486



Protanomaly

33.9814, 0.3205, 0.4235



Deuteranomaly

33.4663, 0.3214, 0.3990



Tritanomaly

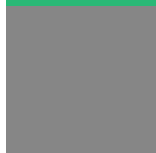
35.5419, 0.2450, 0.3542

Monochromacy



Original Color

36.0812, 0.2657, 0.4486



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.7817, 0.2855, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0812, 0.2657, 0.4486 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(42, 184, 118)` looks like.

```
.text, #text, p{  
    color:rgb(42, 184, 118)  
}
```

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(42, 184, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 184, 118) }
```

Border

The CSS property to change the border of an element to Yxy 36.0812, 0.2657, 0.4486 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(42, 184, 118) }
```

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

```
.border{ border-color:rgb(42, 184, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 184, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 184, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 184, 118);  
box-shadow:4px 4px 4px 4px rgb(42, 184,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0812, 0.2657, 0.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 184, 118) }
```

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

```
.background{ background-color: rgb(42, 184,  
118) }
```

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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