

Converting Colors

$Yxy(36.6320, 0.2844, 0.4515)$

Have a look what the booklet for
Yxy(36.6320, 0.2844, 0.4515)
contains.

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Color

Yxy(36.7215, 0.2844, 0.4514)

Conversions

Conversions Part 1

Format	Color
Hex	4FB771
RGB	79, 183, 113
RGB Percent	31%, 72%, 44%
CMY	0.6904, 0.2823, 0.5568
CMYK	0.57, 0.00, 0.38, 0.28
HSL	140°, 42%, 51%
HSV	140°, 57%, 72%
XYZ	23.1360, 36.7215, 21.4927
YIQ	143.9240, -39.5140, -43.8180

Conversions

Conversions Part 2

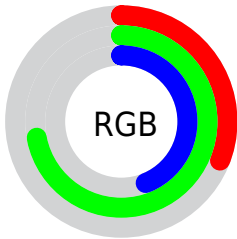
Format	Color
RYB	79, 157, 183
Decimal	5224305
CIELab	67.07, -45.86, 26.77
CIElCh	67, 53.101, 149.726
Yxy	36.7215, 0.2844, 0.4514
Android (android.graphics.Color)	4283414385 (0xFF4FB771)
YUV	143.9240, -15.2455, -56.9383
Hunter-Lab	60.5983, -37.8969, 21.3901

Details

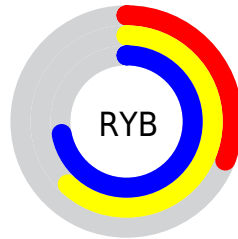
The Yxy color **36.7215, 0.2844, 0.4514** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.8225, 0.3652, 0.2346**, and the grayscale version is **27.9285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2710, 0.2915, 0.4259**, and **16.0707, 0.2714, 0.4970** is the 20% darker color. If you saturate the color by 10%, you get **35.7850, 0.2824, 0.4772**, and if you desaturate by 10%, it is **37.9146, 0.2878, 0.4260**.

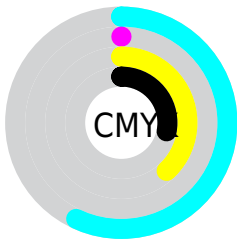
Distribution



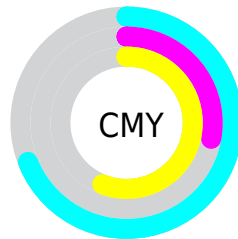
- Red (31%)
- Green (72%)
- Blue (44%)



- Red (31%)
- Yellow (62%)
- Blue (72%)



- Cyan (57%)
- Magenta (0%)
- Yellow (38%)
- Black (28%)





- Cyan (69%)
- Magenta (28%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7215, 0.2844, 0.4514 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 36.7215, 0.2844, 0.4514 by changing the saturation by 10% instead.


 36.7215, 0.2844,
0.4514


 36.7215, 0.2844,
0.4514


332.1032, 0.3014,
0.3836

 24.9919, 0.2790,
0.4707


 70.1442, 0.2914,
0.4251


 16.0710, 0.2713,
0.4969


 92.6062, 0.2937,
0.4157

 9.5744, 0.2596,
0.5344


 119.4144, 0.2956,
0.4080

 5.1177, 0.2400,
0.5915

 150.9533, 0.2972,
0.4015

 2.3165, 0.2128,
0.7288

 187.6072, 0.2985,
0.3960

 0.7824, 0.0000,
1.0000

229.7606, 0.2996,

 0.0000, 0.0000,

0.3913

0.0000

277.7978, 0.3006,
0.3872

■ 36.7215, 0.2844,
0.4514

■ 36.7215, 0.2844,
0.4514

■ 35.7850, 0.2824,
0.4772

■ 37.9146, 0.2878,
0.4260

■ 35.0809, 0.2819,
0.5025

■ 39.3773, 0.2922,
0.4018

■ 34.5878, 0.2832,
0.5260

■ 41.1271, 0.2973,
0.3793

■ 34.2748, 0.2860,
0.5468

■ 43.1787, 0.3029,
0.3588

■ 34.1953, 0.2869,
0.5527

■ 45.5458, 0.3087,
0.3404

■ 48.2412, 0.3145,
0.3241

■ 51.2769, 0.3202,
0.3097

■ 54.6645, 0.3258,
0.2972

■ 58.4149, 0.3310,
0.2862

Harmonies

Analogous

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



36.7215, 0.3607, 0.4773



36.7215, 0.2844, 0.4514



36.7215, 0.2199, 0.3745

Triad

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



36.7215, 0.2844, 0.4514



36.7215, 0.1996, 0.2104



36.7215, 0.4620, 0.3380

Complementary

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



36.7215, 0.2844, 0.4514



17.8225, 0.3652, 0.2346

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.



36.7215, 0.4073, 0.2830



36.7215, 0.2844, 0.4514



36.7215, 0.2507, 0.2132

Square

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



36.7215, 0.2844, 0.4514



36.7215, 0.1768, 0.2348



36.7215, 0.3260, 0.2389



36.7215, 0.4679, 0.3965

Rectangle

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



36.7215, 0.2844, 0.4514



36.7215, 0.1918, 0.3168



36.7215, 0.3260, 0.2389



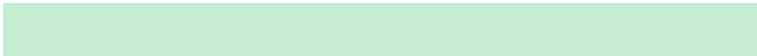
36.7215, 0.4486, 0.3189

Sweetspot

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



36.7230, 0.2844, 0.4514



77.1578, 0.3027, 0.3596



40.9236, 0.3617, 0.4786



16.8711, 0.3016, 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.



36.7230, 0.2844, 0.4514



63.7631, 0.2821, 0.4831



38.2085, 0.2530, 0.3601



10.1073, 0.3073, 0.3448



23.8643, 0.2863, 0.5506



0.8530, 0.2708, 0.4950

Inverse Universe

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



17.8225, 0.3652, 0.2346



26.6604, 0.3816, 0.2200



16.5364, 0.4498, 0.3033



9.1114, 0.3186, 0.3137



8.0358, 0.4233, 0.2106



0.2942, 0.3909, 0.1927

Previews

White Background



This preview shows how the Yxy color 36.7215, 0.2844, 0.4514 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 36.7215, 0.2844, 0.4514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

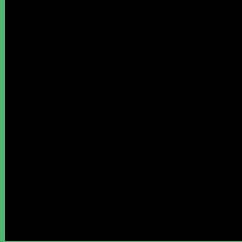
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7215, 0.2844, 0.4514

Background



This preview shows how black text looks on a background with the Yxy color 36.7215, 0.2844, 0.4514.



This preview shows how white text looks on a background with the Yxy color 36.7215, 0.2844, 0.4514.

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

36.7215, 0.2844, 0.4514

Protanopia

36.0907, 0.3791, 0.4099

Deuteranopia

35.9811, 0.3863, 0.3778



Tritanopia

36.6123, 0.2473, 0.3072

Trichromacy



Original Color

36.7215, 0.2844, 0.4514



Protanomaly

35.4949, 0.3377, 0.4270



Deuteranomaly

34.7739, 0.3414, 0.4034



Tritanomaly

36.2928, 0.2600, 0.3552

Monochromacy



Original Color

36.7215, 0.2844, 0.4514



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.1402, 0.2986, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7215, 0.2844, 0.4514 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(79, 183, 113)` looks like.

```
.text, #text, p{  
    color:rgb(79, 183, 113)  
}
```

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(79, 183, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 183, 113) }
```

Border

The CSS property to change the border of an element to Yxy 36.7215, 0.2844, 0.4514 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(79, 183, 113) }
```

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

```
.border{ border-color:rgb(79, 183, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 183, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 183, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 183, 113);  
box-shadow:4px 4px 4px 4px rgb(79, 183,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7215, 0.2844, 0.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 183, 113) }
```

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

```
.background{ background-color: rgb(79, 183,  
113) }
```

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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