

Converting Colors

$Yxy(35.5894, 0.2731, 0.4278)$

Have a look what the booklet for
Yxy(35.5894, 0.2731, 0.4278)
contains.

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Color

Yxy(35.4755, 0.2732, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	48B47C
RGB	72, 180, 124
RGB Percent	28%, 71%, 49%
CMY	0.7179, 0.2941, 0.5137
CMYK	0.60, 0.00, 0.31, 0.29
HSL	149°, 43%, 49%
HSV	149°, 60%, 71%
XYZ	22.6288, 35.4755, 24.7243
YIQ	141.3240, -46.3920, -40.3120

Conversions

Conversions Part 2

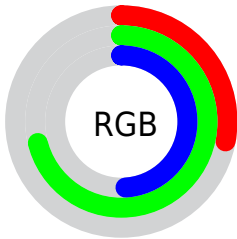
Format	Color
RYB	72, 145, 180
Decimal	4764796
CIELab	66.12, -44.06, 19.56
CIELCh	66, 48.210, 156.057
Yxy	35.4755, 0.2732, 0.4283
Android (android.graphics.Color)	4282954876 (0xFF48B47C)
YUV	141.3240, -8.5407, -60.7971
Hunter-Lab	59.5613, -36.4158, 17.0812

Details

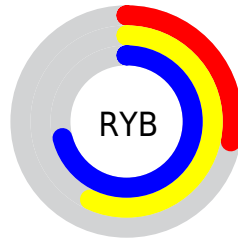
The Yxy color **35.4755, 0.2732, 0.4283** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.8891, 0.3969, 0.2519**, and the grayscale version is **26.8128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4885, 0.2819, 0.4071**, and **15.4297, 0.2619, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **34.6591, 0.2706, 0.4485**, and if you desaturate by 10%, it is **36.5196, 0.2774, 0.4087**.

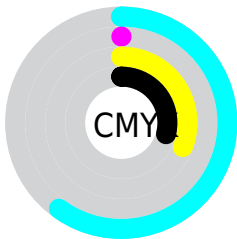
Distribution



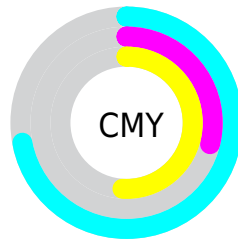
- Red (28%)
- Green (71%)
- Blue (49%)



- Red (28%)
- Yellow (57%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (31%)
- Black (29%)





- Cyan (72%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4755, 0.2732, 0.4283 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 35.4755, 0.2732, 0.4283 by changing the saturation by 10% instead.

 35.4755, 0.2732,
0.4283


 35.4755, 0.2732,
0.4283


326.6622, 0.2953,
0.3734


 24.0294, 0.2668,
0.4440


 68.2217, 0.2819,
0.4069

 15.3554, 0.2579,
0.4654


 90.2907, 0.2849,
0.3994


 9.0692, 0.2450,
0.4963


 116.6693, 0.2874,
0.3931

 4.7864, 0.2247,
0.5443

 147.7421, 0.2895,
0.3879

 2.1225, 0.1870,
0.6397

 183.8933, 0.2913,
0.3834

 0.6772, 0.0000,
1.0000

225.5075, 0.2928,

 0.0000, 0.0000,

0.3796

0.0000

272.9690, 0.2942,
0.3763

■ 35.4755, 0.2732,
0.4283

■ 35.4755, 0.2732,
0.4283

■ 34.6591, 0.2706,
0.4485

■ 36.5196, 0.2774,
0.4087

■ 34.0471, 0.2700,
0.4686

■ 37.8037, 0.2830,
0.3900

■ 33.6189, 0.2713,
0.4881

■ 39.3443, 0.2896,
0.3725

■ 33.3295, 0.2740,
0.5065

■ 41.1551, 0.2969,
0.3565

■ 43.2490, 0.3047,
0.3420

■ 45.6377, 0.3127,
0.3290

■ 48.3326, 0.3207,
0.3175

■ 51.3442, 0.3286,
0.3073

■ 54.6827, 0.3362,
0.2984

Harmonies

Analogous

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



35.4755, 0.3434, 0.4642



35.4755, 0.2732, 0.4283



35.4755, 0.2174, 0.3540

Triad

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



35.4755, 0.2732, 0.4283



35.4755, 0.2155, 0.2172



35.4755, 0.4551, 0.3500

Complementary

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



35.4755, 0.2732, 0.4283



15.8891, 0.3969, 0.2519

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.



35.4755, 0.4132, 0.2970



35.4755, 0.2732, 0.4283



35.4755, 0.2688, 0.2244

Square

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



35.4755, 0.2732, 0.4283



35.4755, 0.1883, 0.2350



35.4755, 0.3415, 0.2527



35.4755, 0.4517, 0.4044

Rectangle

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



35.4755, 0.2732, 0.4283



35.4755, 0.1949, 0.3033



35.4755, 0.3415, 0.2527



35.4755, 0.4459, 0.3318

Sweetspot

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



35.4769, 0.2732, 0.4283



75.2326, 0.2983, 0.3539



37.8257, 0.3482, 0.4946



16.0399, 0.2961, 0.3583



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.4769, 0.2732, 0.4283



62.4438, 0.2702, 0.4549



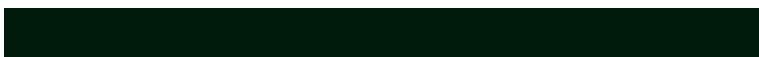
37.1723, 0.2419, 0.3346



9.5560, 0.3053, 0.3410



23.2729, 0.2734, 0.5043



0.7441, 0.2587, 0.4513

Inverse Universe

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



15.8891, 0.3969, 0.2519



23.7617, 0.4259, 0.2420



14.8474, 0.4906, 0.3248



8.5764, 0.3209, 0.3173



7.3411, 0.4853, 0.2447



0.2427, 0.4278, 0.2130

Previews

White Background



This preview shows how the Yxy color 35.4755, 0.2732, 0.4283 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 35.4755, 0.2732, 0.4283 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 35.4755, 0.2732, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 35.4755, 0.2732, 0.4283.



This preview shows how white text looks on a background with the Yxy color 35.4755, 0.2732, 0.4283.

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

35.4755, 0.2732, 0.4283

Protanopia

34.8047, 0.3672, 0.3931

Deuteranopia

34.7085, 0.3687, 0.3612



Tritanopia

35.3255, 0.2434, 0.3068

Trichromacy



Original Color

35.4755, 0.2732, 0.4283



Protanomaly

34.1797, 0.3254, 0.4082



Deuteranomaly

33.6822, 0.3253, 0.3845



Tritanomaly

35.2356, 0.2543, 0.3488

Monochromacy



Original Color

35.4755, 0.2732, 0.4283



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.9050, 0.2931, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4755, 0.2732, 0.4283 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(72, 180, 124)` looks like.

```
.text, #text, p{  
    color:rgb(72, 180, 124)  
}
```

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(72, 180, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 180, 124) }
```

Border

The CSS property to change the border of an element to Yxy 35.4755, 0.2732, 0.4283 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(72, 180, 124) }
```

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

```
.border{ border-color:rgb(72, 180, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 180, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 180, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 180, 124);  
box-shadow:4px 4px 4px 4px rgb(72, 180,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4755, 0.2732, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 180, 124) }
```

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

```
.background{ background-color: rgb(72, 180,  
124) }
```

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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