

Converting Colors

$Yxy(35.7598, 0.2750, 0.4369)$

Have a look what the booklet for
Yxy(35.7598, 0.2750, 0.4369)
contains.

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Color

Yxy(35.7434, 0.2754, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	47B578
RGB	71, 181, 120
RGB Percent	28%, 71%, 47%
CMY	0.7217, 0.2902, 0.5294
CMYK	0.61, 0.00, 0.34, 0.29
HSL	147°, 44%, 49%
HSV	147°, 61%, 71%
XYZ	22.5103, 35.7434, 23.4829
YIQ	141.1560, -45.9790, -42.2910

Conversions

Conversions Part 2

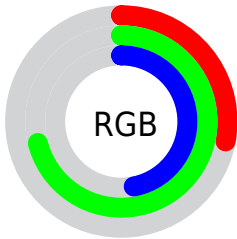
Format	Color
RYB	71, 147, 181
Decimal	4699512
CIELab	66.32, -45.49, 22.00
CIELCh	66, 50.531, 154.194
Yxy	35.7434, 0.2754, 0.4373
Android (android.graphics.Color)	4282889592 (0xFF47B578)
YUV	141.1560, -10.4299, -61.5268
Hunter-Lab	59.7858, -37.4172, 18.5619

Details

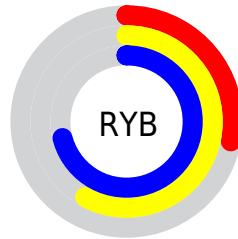
The Yxy color **35.7434, 0.2754, 0.4373** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.9905, 0.3917, 0.2459**, and the grayscale version is **26.7520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8333, 0.2836, 0.4138**, and **15.6337, 0.2654, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **34.9289, 0.2732, 0.4589**, and if you desaturate by 10%, it is **36.7901, 0.2792, 0.4162**.

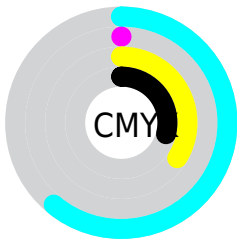
Distribution



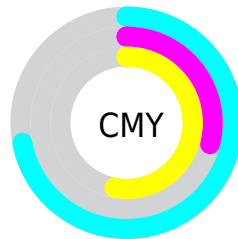
- Red (28%)
- Green (71%)
- Blue (47%)



- Red (28%)
- Yellow (58%)
- Blue (71%)



- Cyan (61%)
- Magenta (0%)
- Yellow (34%)
- Black (29%)



- Cyan (72%)
- Magenta (29%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7434, 0.2754, 0.4373 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 35.7434, 0.2754, 0.4373 by changing the saturation by 10% instead.

 35.7434, 0.2754,
0.4373

 35.7434, 0.2754,
0.4373


327.8376, 0.2966,
0.3773


 24.2361, 0.2691,
0.4545


 68.6358, 0.2838,
0.4139


 15.5088, 0.2603,
0.4779


 90.7897, 0.2868,
0.4056


 9.1773, 0.2474,
0.5117


 117.2613, 0.2892,
0.3988

 4.8570, 0.2267,
0.5640

 148.4349, 0.2912,
0.3931

 2.1636, 0.1897,
0.6761

 184.6949, 0.2928,
0.3882

 0.7000, 0.0000,
1.0000

226.4258, 0.2943,

 0.0000, 0.0000,

0.3841

0.0000

274.0119, 0.2955,
0.3804

■ 35.7434, 0.2754,
0.4373

■ 35.7434, 0.2754,
0.4373

■ 34.9289, 0.2732,
0.4589

■ 36.7901, 0.2792,
0.4162

■ 34.3227, 0.2730,
0.4803

■ 38.0819, 0.2843,
0.3960

■ 33.9033, 0.2746,
0.5007

■ 39.6356, 0.2905,
0.3771

■ 33.6399, 0.2773,
0.5183

■ 41.4655, 0.2974,
0.3598

■ 43.5845, 0.3046,
0.3441

■ 46.0051, 0.3121,
0.3301

■ 48.7388, 0.3196,
0.3176

■ 51.7965, 0.3270,
0.3066

■ 55.1885, 0.3341,
0.2970

Harmonies

Analogous

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



35.7434, 0.3487, 0.4712



35.7434, 0.2754, 0.4373



35.7434, 0.2162, 0.3602

Triad

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



35.7434, 0.2754, 0.4373



35.7434, 0.2091, 0.2132



35.7434, 0.4602, 0.3466

Complementary

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



35.7434, 0.2754, 0.4373



15.9905, 0.3917, 0.2459

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.



35.7434, 0.4137, 0.2923



35.7434, 0.2754, 0.4373



35.7434, 0.2626, 0.2193

Square

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



35.7434, 0.2754, 0.4373



35.7434, 0.1828, 0.2330



35.7434, 0.3376, 0.2474



35.7434, 0.4590, 0.4032

Rectangle

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



35.7434, 0.2754, 0.4373



35.7434, 0.1918, 0.3063



35.7434, 0.3376, 0.2474



35.7434, 0.4496, 0.3279

Sweetspot

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



35.7448, 0.2754, 0.4373



75.1558, 0.2991, 0.3557



38.5176, 0.3518, 0.4948



16.0211, 0.2971, 0.3604



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.



35.7448, 0.2754, 0.4373



62.1396, 0.2729, 0.4663



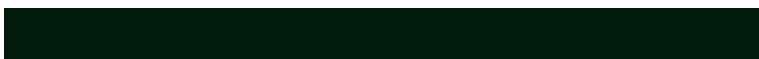
37.4318, 0.2433, 0.3407



9.5509, 0.3057, 0.3419



23.2021, 0.2767, 0.5160



0.7418, 0.2612, 0.4603

Inverse Universe

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



15.9905, 0.3917, 0.2459



23.6652, 0.4187, 0.2352



14.8799, 0.4879, 0.3199



8.5815, 0.3203, 0.3164



7.4252, 0.4703, 0.2364



0.2452, 0.4181, 0.2077

Previews

White Background



This preview shows how the Yxy color 35.7434, 0.2754, 0.4373 looks on a white background.

Color Contrast Check

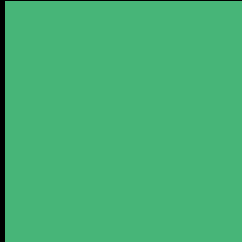
Large Text (above 18pt) WCAG AA × Fail

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 35.7434, 0.2754, 0.4373 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 35.7434, 0.2754, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 35.7434, 0.2754, 0.4373.

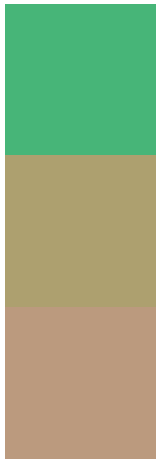


This preview shows how white text looks on a background with the Yxy color 35.7434, 0.2754, 0.4373.

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

35.7434, 0.2754, 0.4373

Protanopia

35.1735, 0.3715, 0.3999

Deuteranopia

35.1824, 0.3745, 0.3679



Tritanopia

35.7503, 0.2432, 0.3069

Trichromacy



Original Color

35.7434, 0.2754, 0.4373



Protanomaly

34.4544, 0.3285, 0.4162



Deuteranomaly

34.0259, 0.3296, 0.3922



Tritanomaly

35.5798, 0.2540, 0.3504

Monochromacy



Original Color

35.7434, 0.2754, 0.4373



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.1834, 0.2949, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7434, 0.2754, 0.4373 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(71, 181, 120)` looks like.

```
.text, #text, p{  
    color:rgb(71, 181, 120)  
}
```

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(71, 181, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 181, 120) }
```

Border

The CSS property to change the border of an element to Yxy 35.7434, 0.2754, 0.4373 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(71, 181, 120) }
```

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

```
.border{ border-color:rgb(71, 181, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 181, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 181, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 181, 120); box-shadow:4px 4px 4px 4px rgb(71, 181, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7434, 0.2754, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 181, 120) }
```

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

```
.background{ background-color: rgb(71, 181,  
120) }
```

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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