

Converting Colors

$Y_{xy}(36.6302, 0.3291, 0.3525)$

Have a look what the booklet for
Yxy(36.6302, 0.3291, 0.3525)
contains.

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Color

Yxy(36.7960, 0.3288, 0.3523)

Conversions

Conversions Part 1

Format	Color
Hex	A6A494
RGB	166, 164, 148
RGB Percent	65%, 64%, 58%
CMY	0.3491, 0.3568, 0.4196
CMYK	0.00, 0.01, 0.11, 0.35
HSL	53°, 9%, 62%
HSV	53°, 11%, 65%
XYZ	34.3415, 36.7960, 33.3075
YIQ	162.7740, 6.3280, -4.5520

Conversions

Conversions Part 2

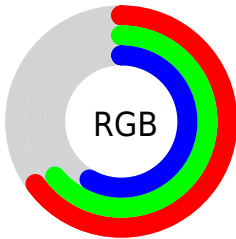
Format	Color
RYB	150, 166, 148
Decimal	10921108
CIELab	67.12, -2.17, 8.56
CIElCh	67, 8.829, 104.236
Yxy	36.7960, 0.3288, 0.3523
Android (android.graphics.Color)	4289111188 (0xFFA6A494)
YUV	162.7740, -7.2836, 2.8292
Hunter-Lab	60.6597, -5.0995, 9.9063

Details

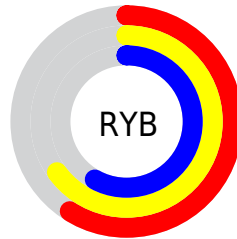
The Yxy color **36.7960, 0.3288, 0.3523** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.8454, 0.2961, 0.3046**, and the grayscale version is **36.5452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2995, 0.3257, 0.3479**, and **16.0288, 0.3343, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **35.6671, 0.3444, 0.3745**, and if you desaturate by 10%, it is **38.0126, 0.3139, 0.3307**.

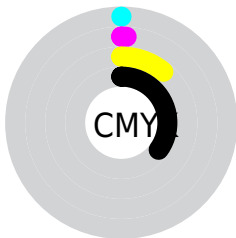
Distribution



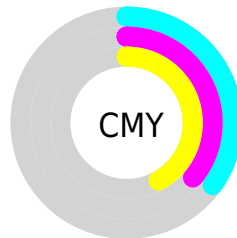
- Red (65%)
- Green (64%)
- Blue (58%)



- Red (59%)
- Yellow (65%)
- Blue (58%)



- Cyan (0%)
- Magenta (1%)
- Yellow (11%)
- Black (35%)





- Cyan (35%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7960, 0.3288, 0.3523 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 36.7960, 0.3288, 0.3523 by changing the saturation by 10% instead.


 36.7960, 0.3288,
0.3523


 36.7960, 0.3288,
0.3523


332.4265, 0.3205,
0.3401

 25.0496, 0.3310,
0.3555


 70.2589, 0.3257,
0.3477

 16.1140, 0.3338,
0.3598


 92.7442, 0.3246,
0.3461

 9.6049, 0.3377,
0.3656


119.5779, 0.3236,
0.3447

 5.1378, 0.3434,
0.3742

151.1444, 0.3228,
0.3435

 2.3283, 0.3523,
0.3881

187.8282, 0.3221,
0.3425

 0.7886, 0.3990,
0.4518

230.0135, 0.3215,

 0.0000, 0.0000,

0.3416

0.0000

278.0848, 0.3209,
0.3408

■ 36.7960, 0.3288,
0.3523

■ 36.7960, 0.3288,
0.3523

■ 35.6671, 0.3444,
0.3745

■ 38.0126, 0.3139,
0.3307

■ 34.6180, 0.3604,
0.3968

■ 39.3152, 0.2999,
0.3102

■ 33.6467, 0.3763,
0.4184

■ 40.7083, 0.2870,
0.2910

■ 32.7495, 0.3916,
0.4385

■ 42.1946, 0.2752,
0.2731

■ 31.9224, 0.4057,
0.4561

■ 43.7767, 0.2644,
0.2567

■ 31.1608, 0.4179,
0.4704

■ 45.4570, 0.2547,
0.2417

■ 30.4595, 0.4277,
0.4807

■ 46.6329, 0.2508,
0.2366

■ 29.8126, 0.4349,
0.4866

■ 47.3494, 0.2511,
0.2388

■ 29.2545, 0.4396,
0.4891

■ 48.0754, 0.2514,
0.2410

Harmonies

Analogous

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



36.7960, 0.3372, 0.3477



36.7960, 0.3288, 0.3523



36.7960, 0.3162, 0.3505

Triad

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



36.7960, 0.3288, 0.3523



36.7960, 0.2873, 0.3188



36.7960, 0.3223, 0.3160

Complementary

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



36.7960, 0.3288, 0.3523



30.8454, 0.2961, 0.3046

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.



36.7960, 0.3088, 0.3087



36.7960, 0.3288, 0.3523



36.7960, 0.2888, 0.3100

Square

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



36.7960, 0.3288, 0.3523



36.7960, 0.2924, 0.3308



36.7960, 0.2966, 0.3064



36.7960, 0.3334, 0.3268

Rectangle

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



36.7960, 0.3288, 0.3523



36.7960, 0.3072, 0.3457



36.7960, 0.2966, 0.3064



36.7960, 0.3179, 0.3131

Sweetspot

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



36.7976, 0.3288, 0.3523



68.5123, 0.3172, 0.3355



31.4876, 0.3294, 0.3259



15.2921, 0.3183, 0.3372



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



36.7976, 0.3288, 0.3523



66.3021, 0.3325, 0.3576



36.7786, 0.3219, 0.3556



8.6323, 0.3265, 0.3489



22.7360, 0.4394, 0.4893



0.5914, 0.4320, 0.4952

Inverse Universe

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



30.8454, 0.2961, 0.3046



53.3019, 0.2922, 0.2987



30.8883, 0.3029, 0.3021



7.4271, 0.2986, 0.3082



2.5084, 0.1526, 0.0693



0.1001, 0.1628, 0.1059

Previews

White Background



This preview shows how the Yxy color 36.7960, 0.3288, 0.3523 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 36.7960, 0.3288, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

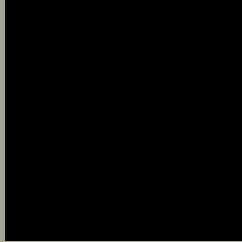
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

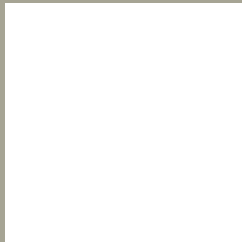
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7960, 0.3288, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 36.7960, 0.3288, 0.3523.



This preview shows how white text looks on a background with the Yxy color 36.7960, 0.3288, 0.3523.

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

36.7960, 0.3288, 0.3523

Protanopia

36.8470, 0.3338, 0.3521

Deuteranopia

36.8140, 0.3471, 0.3415



Tritanopia

36.7048, 0.3107, 0.3108

Trichromacy



Original Color

36.7960, 0.3288, 0.3523

Protanomaly

36.7360, 0.3329, 0.3521

Deuteranomaly

36.6586, 0.3396, 0.3446

Tritanomaly

36.6051, 0.3177, 0.3248

Monochromacy



Original Color

36.7960, 0.3288, 0.3523

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.5555, 0.3181, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7960, 0.3288, 0.3523 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(166, 164, 148)` looks like.

```
.text, #text, p{  
    color:rgb(166, 164, 148)  
}
```

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(166, 164, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 164, 148) }
```

Border

The CSS property to change the border of an element to Yxy 36.7960, 0.3288, 0.3523 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(166, 164, 148) }
```

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

```
.border{ border-color:rgb(166, 164, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 164, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 164, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 164, 148);  
box-shadow:4px 4px 4px 4px rgb(166, 164,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7960, 0.3288, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 164, 148) }
```

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

```
.background{ background-color: rgb(166,  
164, 148) }
```

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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