

Converting Colors

$Yxy(36.4018, 0.3536, 0.5306)$

Have a look what the booklet for
Yxy(36.4018, 0.3536, 0.5306)
contains.

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Color

Yxy(36.4004, 0.3539, 0.5305)

Conversions

Conversions Part 1

Format	Color
Hex	78B32A
RGB	120, 179, 42
RGB Percent	47%, 70%, 16%
CMY	0.5294, 0.2980, 0.8355
CMYK	0.33, 0.00, 0.77, 0.30
HSL	86°, 62%, 43%
HSV	86°, 77%, 70%
XYZ	24.2829, 36.4004, 7.9319
YIQ	145.7410, 8.8130, -55.1150

Conversions

Conversions Part 2

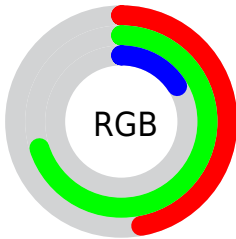
Format	Color
RYB	42, 179, 101
Decimal	7910186
CIELab	66.82, -39.74, 59.27
CIELCh	67, 71.360, 123.838
Yxy	36.4004, 0.3539, 0.5305
Android (android.graphics.Color)	4286100266 (0xFF78B32A)
YUV	145.7410, -51.1443, -22.5749
Hunter-Lab	60.3327, -33.7390, 34.4381

Details

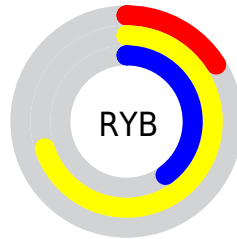
The Yxy color **36.4004, 0.3539, 0.5305** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.6721, 0.2191, 0.1174**, and the grayscale version is **28.8423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5286, 0.3516, 0.4907**, and **16.0117, 0.3399, 0.5683** is the 20% darker color. If you saturate the color by 10%, you get **35.7723, 0.3521, 0.5475**, and if you desaturate by 10%, it is **37.1333, 0.3534, 0.5088**.

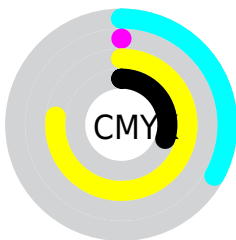
Distribution



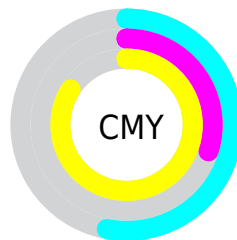
- Red (47%)
- Green (70%)
- Blue (16%)



- Red (16%)
- Yellow (70%)
- Blue (40%)



- Cyan (33%)
- Magenta (0%)
- Yellow (77%)
- Black (30%)



- Cyan (53%)
- Magenta (30%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4004, 0.3539, 0.5305 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 36.4004, 0.3539, 0.5305 by changing the saturation by 10% instead.


 36.4004, 0.3539,
0.5305


 36.4004, 0.3539,
0.5305


330.7072, 0.3408,
0.4226


 24.7436, 0.3531,
0.5576


 69.6496, 0.3518,
0.4906


 15.8861, 0.3491,
0.5912


 92.0108, 0.3501,
0.4757


 9.4436, 0.3414,
0.6386


 118.7090, 0.3484,
0.4632

 5.0316, 0.3147,
0.6853

 150.1284, 0.3467,
0.4526

 2.2658, 0.2610,
0.7390

 186.6536, 0.3451,
0.4435

 0.7555, 0.0000,
1.0000

 228.6688, 0.3435,

 0.0000, 0.0000,

0.4356

0.0000

276.5586, 0.3421,
0.4287

■ 36.4004, 0.3539,
0.5305

■ 36.4004, 0.3539,
0.5305

■ 35.7723, 0.3521,
0.5475

■ 37.1333, 0.3534,
0.5088

■ 35.2338, 0.3482,
0.5594

■ 37.9739, 0.3506,
0.4834

■ 35.0632, 0.3467,
0.5629

■ 38.9307, 0.3461,
0.4557

■ 40.0097, 0.3400,
0.4270

■ 41.2166, 0.3331,
0.3984

■ 42.5566, 0.3255,
0.3709

■ 44.0344, 0.3178,
0.3450

■ 45.6547, 0.3101,
0.3210

■ 47.4219, 0.3026,
0.2991

Harmonies

Analogous

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



36.4004, 0.4453, 0.4878



36.4004, 0.3539, 0.5305



36.4004, 0.2573, 0.4899

Triad

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



36.4004, 0.3539, 0.5305



36.4004, 0.1433, 0.1988



36.4004, 0.4527, 0.2760

Complementary

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



36.4004, 0.3539, 0.5305



7.6721, 0.2191, 0.1174

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.



36.4004, 0.3436, 0.2204



36.4004, 0.3539, 0.5305



36.4004, 0.1750, 0.1769

Square

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



36.4004, 0.3539, 0.5305



36.4004, 0.1441, 0.2614



36.4004, 0.2420, 0.1855



36.4004, 0.5167, 0.3429

Rectangle

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



36.4004, 0.3539, 0.5305



36.4004, 0.2027, 0.4146



36.4004, 0.2420, 0.1855



36.4004, 0.4186, 0.2557

Sweetspot

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



36.4020, 0.3539, 0.5305



74.5488, 0.3307, 0.3896



18.6861, 0.5025, 0.4000



16.3329, 0.3334, 0.3996



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.



36.4020, 0.3539, 0.5305



63.3741, 0.3495, 0.5563



33.1761, 0.3063, 0.5638



9.7209, 0.3199, 0.3519



24.8148, 0.3475, 0.5623



0.8144, 0.3675, 0.5464

Inverse Universe

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



7.6721, 0.2191, 0.1174



9.6260, 0.1971, 0.0891



13.1869, 0.3048, 0.1606



8.4031, 0.3050, 0.3059



3.4538, 0.1910, 0.0826



0.1434, 0.2242, 0.1009

Previews

White Background



This preview shows how the Yxy color 36.4004, 0.3539, 0.5305 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 36.4004, 0.3539, 0.5305 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 36.4004, 0.3539, 0.5305

Background



This preview shows how black text looks on a background with the Yxy color 36.4004, 0.3539, 0.5305.



This preview shows how white text looks on a background with the Yxy color 36.4004, 0.3539, 0.5305.

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

36.4004, 0.3539, 0.5305

Protanopia

35.9257, 0.4311, 0.4756

Deuteranopia

36.0648, 0.4531, 0.4437



Tritanopia

36.2511, 0.2765, 0.3096

Trichromacy



Original Color

36.4004, 0.3539, 0.5305

Protanomaly

35.5227, 0.4012, 0.4971

Deuteranomaly

35.3004, 0.4158, 0.4753

Tritanomaly

35.5628, 0.3105, 0.3950

Monochromacy



Original Color

36.4004, 0.3539, 0.5305

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.8548, 0.3370, 0.4119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4004, 0.3539, 0.5305 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(120, 179, 42)` looks like.

```
.text, #text, p{  
    color:rgb(120, 179, 42)  
}
```

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(120, 179, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 179, 42) }
```

Border

The CSS property to change the border of an element to Yxy 36.4004, 0.3539, 0.5305 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(120, 179, 42) }
```

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

```
.border{ border-color:rgb(120, 179, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 179, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 179, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 179, 42);  
box-shadow:4px 4px 4px 4px rgb(120, 179,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4004, 0.3539, 0.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 179, 42) }
```

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

```
.background{ background-color: rgb(120,  
179, 42) }
```

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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