

Converting Colors

$Y_{xy}(36.1359, 0.3155, 0.3258)$

Have a look what the booklet for
Yxy(36.1359, 0.3155, 0.3258)
contains.

Yxy(36.2411, 0.3157, 0.3261)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.2411, 0.3157, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	A6A1A3
RGB	166, 161, 163
RGB Percent	65%, 63%, 64%
CMY	0.3490, 0.3686, 0.3607
CMYK	0.00, 0.03, 0.02, 0.35
HSL	336°, 3%, 64%
HSV	336°, 3%, 65%
XYZ	35.0853, 36.2411, 39.8085
YIQ	162.7230, 2.3380, 1.6820

Conversions

Conversions Part 2

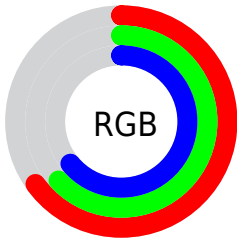
Format	Color
RYB	166, 161, 163
Decimal	10920355
CIELab	66.70, 2.19, -0.42
CIELCh	67, 2.231, 349.199
Yxy	36.2411, 0.3157, 0.3261
Android (android.graphics.Color)	4289110435 (0xFFA6A1A3)
YUV	162.7230, 0.1366, 2.8739
Hunter-Lab	60.2006, -1.3200, 2.9340

Details

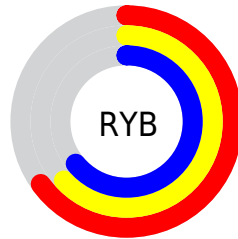
The Yxy color **36.2411, 0.3157, 0.3261** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5336, 0.3098, 0.3319**, and the grayscale version is **36.4891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5458, 0.3150, 0.3268**, and **15.8770, 0.3169, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **30.4799, 0.3269, 0.3161**, and if you desaturate by 10%, it is **42.8035, 0.3065, 0.3355**.

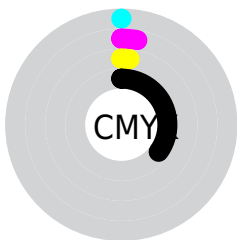
Distribution



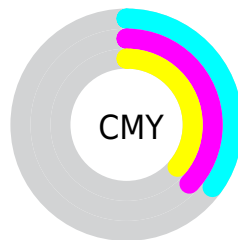
- Red (65%)
- Green (63%)
- Blue (64%)



- Red (65%)
- Yellow (63%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (35%)





- Cyan (35%)
- Magenta (37%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2411, 0.3157, 0.3261 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 36.2411, 0.3157, 0.3261 by changing the saturation by 10% instead.

 36.2411, 0.3157,
0.3261


 36.2411, 0.3157,
0.3261


330.0131, 0.3142,
0.3276

 24.6205, 0.3161,
0.3257


 69.4040, 0.3151,
0.3267

 15.7945, 0.3166,
0.3252


 91.7151, 0.3149,
0.3269

 9.3789, 0.3174,
0.3244


118.3585, 0.3147,
0.3271

 4.9891, 0.3185,
0.3234

149.7185, 0.3146,
0.3272

 2.2409, 0.3202,
0.3217

186.1796, 0.3145,
0.3273

 0.7421, 0.3245,
0.3174


228.1261, 0.3143,


 0.0000, 0.0000,


0.3274


0.0000


275.9425, 0.3142,
0.3275


 36.2411, 0.3157,
0.3261


 36.2411, 0.3157,
0.3261

 30.4799, 0.3269,
0.3161


 42.8035, 0.3065,
0.3355


 25.4844, 0.3405,
0.3056


 50.1916, 0.2989,
0.3441


 21.2235, 0.3569,
0.2948

 58.4343, 0.2926,
0.3521

 17.6620, 0.3765,
0.2843

 67.5582, 0.2874,
0.3593

 14.7619, 0.3994,
0.2746

 77.5883, 0.2831,
0.3660

■ 12.4815, 0.4256,
0.2669

■ 84.9200, 0.2790,
0.3661

■ 10.7744, 0.4544,
0.2622

■ 85.4667, 0.2741,
0.3545

■ 9.5872, 0.4845,
0.2617

■ 86.0450, 0.2694,
0.3432

■ 8.8568, 0.5141,
0.2664

■ 86.6555, 0.2647,
0.3322

Harmonies

Analogous

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



36.2411, 0.3123, 0.3240



36.2411, 0.3157, 0.3261



36.2411, 0.3183, 0.3290

Triad

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



36.2411, 0.3157, 0.3261



36.2411, 0.3164, 0.3349



36.2411, 0.3061, 0.3261

Complementary

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



36.2411, 0.3157, 0.3261



37.5336, 0.3098, 0.3319

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.



36.2411, 0.3072, 0.3290



36.2411, 0.3157, 0.3261



36.2411, 0.3131, 0.3341

Square

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



36.2411, 0.3157, 0.3261



36.2411, 0.3187, 0.3341



36.2411, 0.3097, 0.3320



36.2411, 0.3068, 0.3239

Rectangle

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



36.2411, 0.3157, 0.3261



36.2411, 0.3192, 0.3310



36.2411, 0.3097, 0.3320



36.2411, 0.3063, 0.3270

Sweetspot

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



36.2427, 0.3157, 0.3261



68.0319, 0.3137, 0.3280



36.1270, 0.3111, 0.3218



15.2389, 0.3136, 0.3281



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.



36.2427, 0.3157, 0.3261



64.5969, 0.3168, 0.3251



36.3168, 0.3175, 0.3296



8.2245, 0.3174, 0.3245



6.6112, 0.5317, 0.2703



0.1710, 0.4470, 0.2236

Inverse Universe

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



36.2427, 0.3157, 0.3261



64.5969, 0.3168, 0.3251



37.4558, 0.3081, 0.3284



8.2245, 0.3174, 0.3245



6.6112, 0.5317, 0.2703



0.1710, 0.4470, 0.2236

Previews

White Background



This preview shows how the Yxy color 36.2411, 0.3157, 0.3261 looks on a white background.

Color Contrast Check

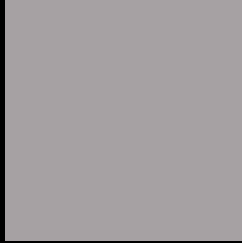
Large Text (above 18pt) WCAG AA × Fail

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 36.2411, 0.3157, 0.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

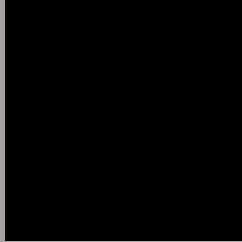
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

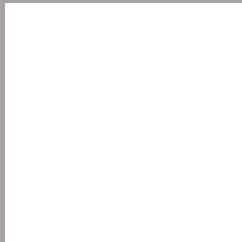
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2411, 0.3157, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 36.2411, 0.3157, 0.3261.



This preview shows how white text looks on a background with the Yxy color 36.2411, 0.3157, 0.3261.

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

36.2411, 0.3157, 0.3261

Protanopia

36.1334, 0.3148, 0.3261

Deuteranopia

36.1414, 0.3259, 0.3193



Tritanopia

36.3357, 0.3088, 0.3121

Trichromacy



Original Color

36.2411, 0.3157, 0.3261

Protanomaly

36.1334, 0.3148, 0.3261

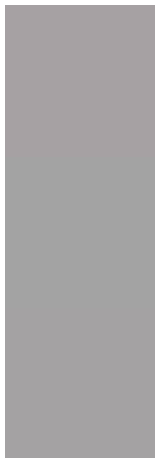
Deuteranomaly

36.0183, 0.3219, 0.3206

Tritanomaly

36.2217, 0.3114, 0.3162

Monochromacy



Original Color

36.2411, 0.3157, 0.3261

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.3775, 0.3137, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2411, 0.3157, 0.3261 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, 161, 163)` looks like.

```
.text, #text, p{  
    color:rgb(166, 161, 163)  
}
```

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, 161, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 161, 163) }
```

Border

The CSS property to change the border of an element to Yxy 36.2411, 0.3157, 0.3261 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, 161, 163) }
```

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

```
.border{ border-color:rgb(166, 161, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 161, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 161, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 161, 163);  
box-shadow:4px 4px 4px 4px rgb(166, 161,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2411, 0.3157, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 161, 163) }
```

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

```
.background{ background-color: rgb(166,  
161, 163) }
```

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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