

Converting Colors

$Y_{xy}(15.5287, 0.3139, 0.3644)$

Have a look what the booklet for
Yxy(15.5287, 0.3139, 0.3644)
contains.

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Color

Yxy(15.6070, 0.3149, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	647261
RGB	100, 114, 97
RGB Percent	39%, 45%, 38%
CMY	0.6078, 0.5529, 0.6196
CMYK	0.12, 0.00, 0.15, 0.55
HSL	109°, 8%, 41%
HSV	109°, 15%, 45%
XYZ	13.4317, 15.6070, 13.6151
YIQ	107.8760, -2.8870, -8.2550

Conversions

Conversions Part 2

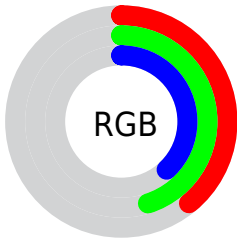
Format	Color
R_{YB}	97, 114, 111
Decimal	6582881
CIE _{Lab}	46.45, -8.77, 7.67
CIE _{LCh}	46, 11.646, 138.817
Yxy	15.6070, 0.3149, 0.3659
Android (android.graphics.Color)	4284772961 (0xFF647261)
YUV	107.8760, -5.3619, -6.9073
Hunter-Lab	39.5057, -8.4462, 7.2205

Details

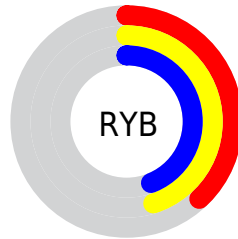
The Yxy color **15.6070, 0.3149, 0.3659** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1445, 0.3100, 0.2938**, and the grayscale version is **14.9765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9899, 0.3142, 0.3562**, and **4.8923, 0.3143, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **14.9054, 0.3161, 0.3940**, and if you desaturate by 10%, it is **16.4022, 0.3135, 0.3405**.

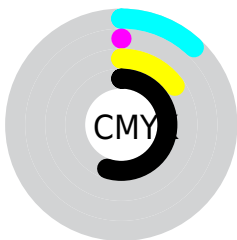
Distribution



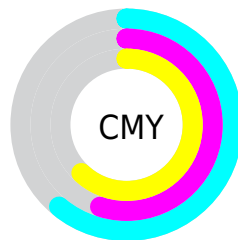
- Red (39%)
- Green (45%)
- Blue (38%)



- Red (38%)
- Yellow (45%)
- Blue (44%)



- Cyan (12%)
- Magenta (0%)
- Yellow (15%)
- Black (55%)





- Cyan (61%)
- Magenta (55%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6070, 0.3149, 0.3659 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 15.6070, 0.3149, 0.3659 by changing the saturation by 10% instead.


 15.6070, 0.3149,
0.3659


 15.6070, 0.3149,
0.3659


227.0114, 0.3138,
0.3437


 9.2465, 0.3151,
0.3733

 35.9146, 0.3145,
0.3567


 4.9023, 0.3153,
0.3844

 50.6304, 0.3144,
0.3536

 2.1901, 0.3153,
0.4028

 68.9002, 0.3142,
0.3511

 0.7146, 0.3272,
0.5026

 91.1083, 0.3141,
0.3491

 0.0000, 0.0000,
0.0000

117.6390, 0.3140,
0.3474

148.8769, 0.3140,

0.3460

185.2062, 0.3139,
0.3448

■ 15.6070, 0.3149,
0.3659

■ 15.6070, 0.3149,
0.3659

■ 14.9054, 0.3161,
0.3940

■ 16.4022, 0.3135,
0.3405

■ 14.2919, 0.3170,
0.4244

■ 17.2921, 0.3119,
0.3178

■ 13.7636, 0.3173,
0.4563

■ 18.2805, 0.3103,
0.2977

■ 13.3168, 0.3171,
0.4887

■ 19.3703, 0.3087,
0.2801

■ 12.9472, 0.3160,
0.5197

■ 20.5642, 0.3071,
0.2646

■ 12.6504, 0.3142,
0.5475

■ 21.8649, 0.3056,
0.2511

■ 12.4213, 0.3116,
0.5700

■ 23.2751, 0.3042,
0.2392

■ 12.2532, 0.3086,
0.5865

■ 24.7972, 0.3028,
0.2288

■ 12.1849, 0.3076,
0.5940

■ 26.4336, 0.3015,
0.2197

Harmonies

Analogous

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



15.6070, 0.3377, 0.3705



15.6070, 0.3149, 0.3659



15.6070, 0.2922, 0.3501

Triad

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



15.6070, 0.3149, 0.3659



15.6070, 0.2726, 0.2941



15.6070, 0.3514, 0.3278

Complementary

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



15.6070, 0.3149, 0.3659



13.1445, 0.3100, 0.2938

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.



15.6070, 0.3328, 0.3091



15.6070, 0.3149, 0.3659



15.6070, 0.2872, 0.2899

Square

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



15.6070, 0.3149, 0.3659



15.6070, 0.2683, 0.3078



15.6070, 0.3091, 0.2954



15.6070, 0.3593, 0.3475

Rectangle

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



15.6070, 0.3149, 0.3659



15.6070, 0.2800, 0.3358



15.6070, 0.3091, 0.2954



15.6070, 0.3462, 0.3212

Sweetspot

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



15.6077, 0.3149, 0.3659



28.9433, 0.3133, 0.3386



15.7841, 0.3347, 0.3577



6.6723, 0.3134, 0.3400



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



15.6077, 0.3149, 0.3659



26.9704, 0.3154, 0.3756



15.5432, 0.3046, 0.3543



3.7890, 0.3141, 0.3505



13.5585, 0.3073, 0.5942



67.2659, 0.3048, 0.5962

Inverse Universe

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



13.1445, 0.3100, 0.2938



21.7340, 0.3092, 0.2851



13.2238, 0.3219, 0.3050



3.4251, 0.3112, 0.3081



3.9853, 0.2781, 0.1306



19.5169, 0.2757, 0.1292

Previews

White Background



This preview shows how the Yxy color 15.6070, 0.3149, 0.3659 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 15.6070, 0.3149, 0.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

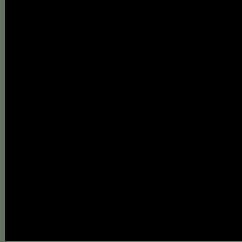
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6070, 0.3149, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 15.6070, 0.3149, 0.3659.



This preview shows how white text looks on a background with the Yxy color 15.6070, 0.3149, 0.3659.

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

15.6070, 0.3149, 0.3659

Protanopia

15.6229, 0.3390, 0.3600

Deuteranopia

15.5689, 0.3494, 0.3429



Tritanopia

15.6680, 0.2929, 0.3105

Trichromacy



Original Color

15.6070, 0.3149, 0.3659

Protanomaly

15.5284, 0.3303, 0.3606

Deuteranomaly

15.5321, 0.3367, 0.3516

Tritanomaly

15.6418, 0.3010, 0.3290

Monochromacy



Original Color

15.6070, 0.3149, 0.3659

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.1546, 0.3135, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6070, 0.3149, 0.3659 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(100, 114, 97)` looks like.

```
.text, #text, p{  
    color:rgb(100, 114, 97)  
}
```

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(100, 114, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 114, 97) }
```

Border

The CSS property to change the border of an element to Yxy 15.6070, 0.3149, 0.3659 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(100, 114, 97) }
```

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

```
.border{ border-color:rgb(100, 114, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 114, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 114, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 114, 97);  
box-shadow:4px 4px 4px 4px rgb(100, 114,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6070, 0.3149, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 114, 97) }
```

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

```
.background{ background-color: rgb(100,  
114, 97) }
```

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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