

Converting Colors

$Y_{xy}(15.6844, 0.3145, 0.3728)$

Have a look what the booklet for
Yxy(15.6844, 0.3145, 0.3728)
contains.

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Color

Yxy(15.6844, 0.3145, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	62735F
RGB	98, 115, 95
RGB Percent	38%, 45%, 37%
CMY	0.6158, 0.5490, 0.6275
CMYK	0.15, 0.00, 0.17, 0.55
HSL	111°, 10%, 41%
HSV	111°, 17%, 45%
XYZ	13.2316, 15.6844, 13.1559
YIQ	107.6370, -3.7120, -9.8240

Conversions

Conversions Part 2

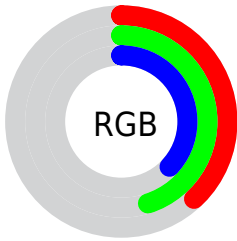
Format	Color
R_{YB}	95, 115, 112
Decimal	6452063
CIE Lab	46.56, -10.51, 8.98
CIE LCh	47, 13.826, 139.474
Yxy	15.6844, 0.3145, 0.3728
Android (android.graphics.Color)	4284642143 (0xFF62735F)
YUV	107.6370, -6.2300, -8.4516
Hunter-Lab	39.6035, -9.6690, 8.0270

Details

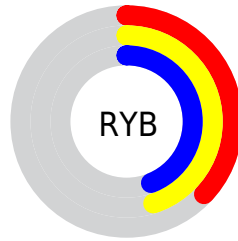
The Yxy color **15.6844, 0.3145, 0.3728** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8686, 0.3102, 0.2878**, and the grayscale version is **14.9073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0713, 0.3148, 0.3625**, and **4.9399, 0.3137, 0.3946** is the 20% darker color. If you saturate the color by 10%, you get **14.9797, 0.3152, 0.4017**, and if you desaturate by 10%, it is **16.4879, 0.3135, 0.3466**.

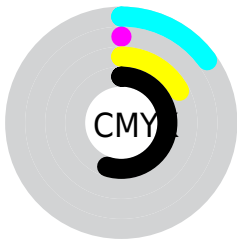
Distribution



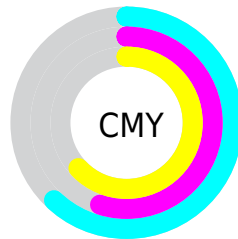
- Red (38%)
- Green (45%)
- Blue (37%)



- Red (37%)
- Yellow (45%)
- Blue (44%)



- Cyan (15%)
- Magenta (0%)
- Yellow (17%)
- Black (55%)



- Cyan (62%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6844, 0.3145, 0.3728 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 15.6844, 0.3145, 0.3728 by changing the saturation by 10% instead.

■ 15.6844, 0.3145,
0.3728

■ 15.6844, 0.3145,
0.3728

227.4722, 0.3137,
0.3464

■ 9.3011, 0.3146,
0.3816

■ 36.0494, 0.3143,
0.3618

■ 4.9381, 0.3145,
0.3949

■ 50.8000, 0.3142,
0.3581

■ 2.2110, 0.3138,
0.4171

■ 69.1084, 0.3141,
0.3552

■ 0.7260, 0.3279,
0.5492

■ 91.3590, 0.3140,
0.3528

■ 0.0000, 0.0000,
0.0000

117.9363, 0.3139,
0.3508

149.2247, 0.3138,

0.3491

185.6085, 0.3138,
0.3477

■ 15.6844, 0.3145,
0.3728

■ 15.6844, 0.3145,
0.3728

■ 14.9797, 0.3152,
0.4017

■ 16.4879, 0.3135,
0.3466

■ 14.3681, 0.3156,
0.4328

■ 17.3917, 0.3124,
0.3232

■ 13.8462, 0.3155,
0.4653

■ 18.3999, 0.3112,
0.3025

■ 13.4097, 0.3148,
0.4978

■ 19.5156, 0.3100,
0.2843

■ 13.0541, 0.3135,
0.5285

■ 20.7419, 0.3088,
0.2684

■ 12.7743, 0.3115,
0.5553

■ 22.0819, 0.3076,
0.2546

■ 12.5645, 0.3089,
0.5763

■ 23.5381, 0.3064,
0.2425

■ 12.4153, 0.3064,
0.5915

■ 25.1136, 0.3053,
0.2319

■ 12.3838, 0.3060,
0.5953

■ 26.8108, 0.3043,
0.2226

Harmonies

Analogous

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



15.6844, 0.3416, 0.3784



15.6844, 0.3145, 0.3728



15.6844, 0.2878, 0.3536

Triad

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



15.6844, 0.3145, 0.3728



15.6844, 0.2656, 0.2875



15.6844, 0.3590, 0.3278

Complementary

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



15.6844, 0.3145, 0.3728



12.8686, 0.3102, 0.2878

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.



15.6844, 0.3370, 0.3059



15.6844, 0.3145, 0.3728



15.6844, 0.2830, 0.2830

Square

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



15.6844, 0.3145, 0.3728



15.6844, 0.2604, 0.3032



15.6844, 0.3090, 0.2898



15.6844, 0.3681, 0.3510

Rectangle

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



15.6844, 0.3145, 0.3728



15.6844, 0.2736, 0.3364



15.6844, 0.3090, 0.2898



15.6844, 0.3528, 0.3202

Sweetspot

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



15.6851, 0.3145, 0.3728



29.8712, 0.3133, 0.3410



16.0614, 0.3383, 0.3639



7.1054, 0.3133, 0.3424



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.6851, 0.3145, 0.3728



27.5377, 0.3148, 0.3845



15.6554, 0.3025, 0.3574



4.1220, 0.3137, 0.3507



14.1484, 0.3057, 0.5955



68.7069, 0.3036, 0.5972

Inverse Universe

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



12.8686, 0.3102, 0.2878



21.4631, 0.3095, 0.2776



12.9123, 0.3246, 0.3022



3.7316, 0.3116, 0.3079



4.3676, 0.2848, 0.1343



20.9908, 0.2828, 0.1332

Previews

White Background



This preview shows how the Yxy color 15.6844, 0.3145, 0.3728 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 15.6844, 0.3145, 0.3728 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

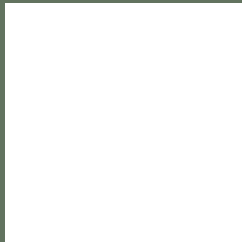
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.6844, 0.3145, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 15.6844, 0.3145, 0.3728.



This preview shows how white text looks on a background with the Yxy color 15.6844, 0.3145, 0.3728.

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

15.6844, 0.3145, 0.3728

Protanopia

15.6376, 0.3444, 0.3661

Deuteranopia

15.6068, 0.3536, 0.3468



Tritanopia

15.5497, 0.2905, 0.3103

Trichromacy



Original Color

15.6844, 0.3145, 0.3728

Protanomaly

15.6299, 0.3325, 0.3692

Deuteranomaly

15.4948, 0.3394, 0.3558

Tritanomaly

15.5027, 0.2996, 0.3311

Monochromacy



Original Color

15.6844, 0.3145, 0.3728

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.2912, 0.3133, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6844, 0.3145, 0.3728 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(98, 115, 95) looks like.

```
.text, #text, p{  
    color:rgb(98, 115, 95)  
}
```

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(98, 115, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 115, 95) }
```

Border

The CSS property to change the border of an element to Yxy 15.6844, 0.3145, 0.3728 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(98, 115, 95) }
```

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

```
.border{ border-color:rgb(98, 115, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 115, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 115, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 115, 95);  
box-shadow:4px 4px 4px 4px rgb(98, 115,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6844, 0.3145, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 115, 95) }
```

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

```
.background{ background-color: rgb(98, 115,  
95) }
```

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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