

Converting Colors

$Y_{xy}(11.7669, 0.3136, 0.3116)$

Have a look what the booklet for
Yxy(11.7669, 0.3136, 0.3116)
contains.

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Color

Yxy(11.7895, 0.3136, 0.3112)

Conversions

Conversions Part 1

Format	Color
Hex	665E66
RGB	102, 94, 102
RGB Percent	40%, 37%, 40%
CMY	0.6000, 0.6314, 0.6001
CMYK	0.00, 0.08, 0.00, 0.60
HSL	300°, 4%, 38%
HSV	300°, 8%, 40%
XYZ	11.8804, 11.7895, 14.2141
YIQ	97.3040, 2.2000, 4.1840

Conversions

Conversions Part 2

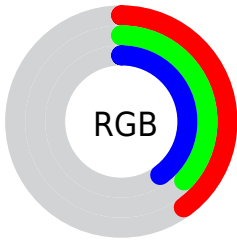
Format	Color
R _Y B	102, 94, 102
Decimal	6708838
CIE Lab	40.88, 4.83, -3.39
CIE LCh	41, 5.897, 324.924
Yxy	11.7895, 0.3136, 0.3112
Android (android.graphics.Color)	4284898918 (0xFF665E66)
YUV	97.3040, 2.3151, 4.1184
Hunter-Lab	34.3358, 1.6744, -0.5093

Details

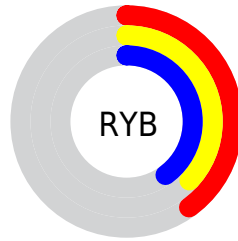
The Yxy color **11.7895, 0.3136, 0.3112** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6934, 0.3118, 0.3475**, and the grayscale version is **12.0268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0187, 0.3134, 0.3151**, and **3.2020, 0.3140, 0.3026** is the 20% darker color. If you saturate the color by 10%, you get **10.0932, 0.3148, 0.2880**, and if you desaturate by 10%, it is **13.7266, 0.3125, 0.3338**.

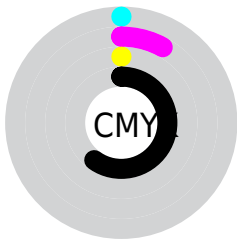
Distribution



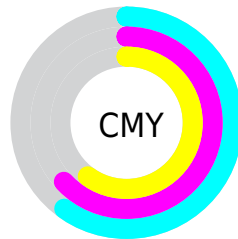
- Red (40%)
- Green (37%)
- Blue (40%)



- Red (40%)
- Yellow (37%)
- Blue (40%)



- Cyan (0%)
- Magenta (8%)
- Yellow (0%)
- Black (60%)



- Cyan (60%)
- Magenta (63%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7895, 0.3136, 0.3112 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 11.7895, 0.3136, 0.3112 by changing the saturation by 10% instead.

■ 11.7895, 0.3136,
0.3112

■ 11.7895, 0.3136,
0.3112

203.0067, 0.3131,
0.3220

■ 6.6005, 0.3137,
0.3075

■ 29.1111, 0.3134,
0.3157

■ 3.2135, 0.3139,
0.3019

■ 42.0126, 0.3133,
0.3172

■ 1.2442, 0.3141,
0.2924

■ 58.2536, 0.3133,
0.3184

■ 0.0974, 0.3233,
0.1496

■ 78.2187, 0.3132,
0.3194

■ 0.0000, 0.0000,
0.0000

102.2921, 0.3132,
0.3202

130.8583, 0.3132,

0.3209

164.3017, 0.3131,
0.3215

■ 11.7895, 0.3136,
0.3112

■ 11.7895, 0.3136,
0.3112

■ 10.0932, 0.3148,
0.2880

■ 13.7266, 0.3125,
0.3338

■ 8.6269, 0.3159,
0.2647

■ 15.9118, 0.3114,
0.3553

■ 7.3812, 0.3171,
0.2420

■ 18.3541, 0.3104,
0.3756

■ 6.3453, 0.3182,
0.2206

■ 21.0614, 0.3095,
0.3945

■ 5.5078, 0.3192,
0.2013

■ 24.0413, 0.3087,
0.4119

■ 4.8558, 0.3201,
0.1849

■ 27.3012, 0.3079,
0.4279

■ 4.3754, 0.3208,
0.1720

■ 30.8481, 0.3072,
0.4424

■ 4.0504, 0.3213,
0.1627

■ 34.6888, 0.3066,
0.4556

■ 3.8246, 0.3218,
0.1561

■ 38.8299, 0.3060,
0.4675

Harmonies

Analogous

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



11.7895, 0.3008, 0.3071



11.7895, 0.3136, 0.3112



11.7895, 0.3264, 0.3198

Triad

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



11.7895, 0.3136, 0.3112



11.7895, 0.3343, 0.3495



11.7895, 0.2904, 0.3264

Complementary

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



11.7895, 0.3136, 0.3112



12.6934, 0.3118, 0.3475

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.



11.7895, 0.2990, 0.3384



11.7895, 0.3136, 0.3112



11.7895, 0.3244, 0.3519

Square

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



11.7895, 0.3136, 0.3112



11.7895, 0.3385, 0.3417



11.7895, 0.3114, 0.3478



11.7895, 0.2876, 0.3155

Rectangle

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



11.7895, 0.3136, 0.3112



11.7895, 0.3331, 0.3271



11.7895, 0.3114, 0.3478



11.7895, 0.2927, 0.3305

Sweetspot

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



11.7900, 0.3136, 0.3112



22.5876, 0.3129, 0.3244



11.3450, 0.3015, 0.3104



5.3431, 0.3129, 0.3248



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



11.7900, 0.3136, 0.3112



20.2289, 0.3138, 0.3080



11.7131, 0.3193, 0.3200



2.8888, 0.3137, 0.3087



4.8495, 0.3219, 0.1547



25.2894, 0.3219, 0.1547

Inverse Universe

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



11.7900, 0.3136, 0.3112



20.2289, 0.3138, 0.3080



12.7666, 0.3066, 0.3382



2.8888, 0.3137, 0.3087



4.8495, 0.3219, 0.1547



25.2894, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 11.7895, 0.3136, 0.3112 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 11.7895, 0.3136, 0.3112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

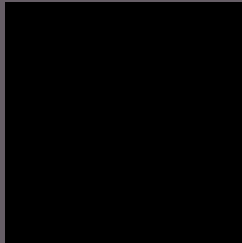
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7895, 0.3136, 0.3112

Background



This preview shows how black text looks on a background with the Yxy color 11.7895, 0.3136, 0.3112.



This preview shows how white text looks on a background with the Yxy color 11.7895, 0.3136, 0.3112.

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

11.7895, 0.3136, 0.3112

Protanopia

11.8318, 0.3031, 0.3130

Deuteranopia

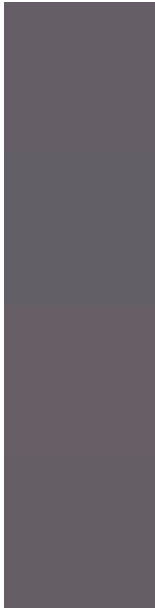
11.8483, 0.3151, 0.3112



Tritanopia

11.7698, 0.3150, 0.3134

Trichromacy



Original Color

11.7895, 0.3136, 0.3112

Protanomaly

11.7604, 0.3060, 0.3109

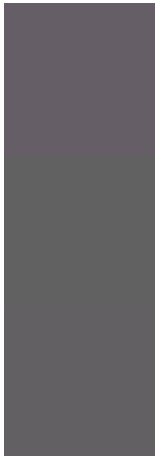
Deuteranomaly

11.8483, 0.3151, 0.3112

Tritanomaly

11.7698, 0.3150, 0.3134

Monochromacy



Original Color

11.7895, 0.3136, 0.3112

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.9192, 0.3130, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7895, 0.3136, 0.3112 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(102, 94, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 94, 102)  
}
```

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(102, 94, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 94, 102) }
```

Border

The CSS property to change the border of an element to Yxy 11.7895, 0.3136, 0.3112 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(102, 94, 102) }
```

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

```
.border{ border-color:rgb(102, 94, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 94, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 94, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 94, 102);  
box-shadow:4px 4px 4px 4px rgb(102, 94,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7895, 0.3136, 0.3112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 94, 102) }
```

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

```
.background{ background-color: rgb(102, 94,  
102) }
```

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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