

Converting Colors

XYZ(12.3131, 11.9891, 15.3008)

Have a look what the booklet for
XYZ(12.3131, 11.9891, 15.3008)
contains.

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Color

**XYZ(12.3131, 11.9891,
15.3008)**

Conversions

Conversions Part 1

Format	Color
Hex	685E6A
RGB	104, 94, 106
RGB Percent	41%, 37%, 42%
CMY	0.5922, 0.6314, 0.5843
CMYK	0.02, 0.11, 0.00, 0.58
HSL	290°, 6%, 39%
HSV	290°, 11%, 42%
XYZ	12.3131, 11.9891, 15.3008
YIQ	98.3580, 2.1080, 5.8520

Conversions

Conversions Part 2

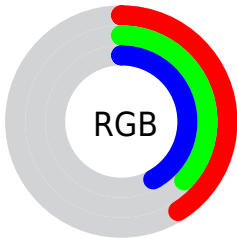
Format	Color
R_{YB}	104, 94, 106
Decimal	6839914
CIE Lab	41.20, 6.45, -5.36
CIE LCh	41, 8.386, 320.264
Yxy	11.9891, 0.3109, 0.3027
Android (android.graphics.Color)	4285029994 (0xFF685E6A)
YUV	98.3580, 3.7675, 4.9480
Hunter-Lab	34.6253, 2.8822, -1.9624

Details

The XYZ color **12.3131, 11.9891, 15.3008** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9988, 13.6034, 12.5837**, and the grayscale version is **11.6895, 12.2983, 13.3928**.

A 20% lighter version of the original color is **29.5766, 29.3494, 36.0044**, and **3.5337, 3.2995, 4.5883** is the 20% darker color. If you saturate the color by 10%, you get **11.2316, 10.1274, 14.9986**, and if you desaturate by 10%, it is **13.5290, 14.1130, 15.6469**.

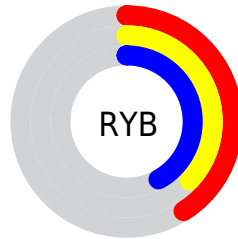
Distribution



Red (41%)

Green (37%)

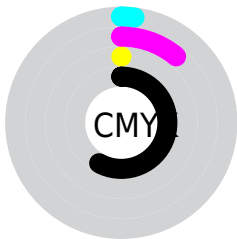
Blue (42%)



Red (41%)

Yellow (37%)

Blue (42%)

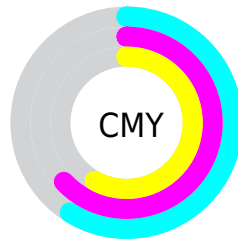


Cyan (2%)

Magenta (11%)

Yellow (0%)

Black (58%)



Cyan (59%)

Magenta (63%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3131, 11.9891, 15.3008 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 XYZ color 12.3131, 11.9891, 15.3008 by changing the saturation by 10% instead.

■ 12.3131, 11.9891,
15.3008

■ 12.3131, 11.9891,
15.3008

200.1951,
204.3331, 236.8829

■ 7.0310, 6.7363,
8.8818

■ 29.6760, 29.4753,
36.1298

■ 3.5280, 3.2977,
4.5684

■ 42.4875, 42.4774,
51.3768

■ 1.4387, 1.2891,
1.9421

■ 58.5396, 58.8313,
70.4036

■ 0.2836, 0.1327,
0.5193

■ 78.1975, 78.9216,
93.6287

■ 0.0000, 0.0000,
0.0000

101.8267,
103.1325, 121.4706

129.7924,

131.8484, 154.3479

162.4601,
165.4539, 192.6792

■ 12.3131, 11.9891,
15.3008

■ 12.3131, 11.9891,
15.3008

■ 11.2316, 10.1274,
14.9986

■ 13.5290, 14.1130,
15.6469

■ 10.2783, 8.5158,
14.7378

■ 14.8834, 16.5075,
16.0377

■ 9.4479, 7.1436,
14.5167

■ 16.3812, 19.1824,
16.4750

■ 8.7343, 5.9989,
14.3334

■ 18.0269, 22.1467,
16.9605

■ 8.1309, 5.0683,
14.1856

■ 19.8249, 25.4090,
17.4954

7.6305, 4.3375,
14.0709

21.7792, 28.9773,
18.0811

7.2248, 3.7902,
13.9866

23.8937, 32.8596,
18.7190

6.9044, 3.4071,
13.9296

26.1724, 37.0634,
19.4103

6.6571, 3.1313,
13.8894

28.6188, 41.5960,
20.1563

Harmonies

Analogous

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



11.8028, 11.9891, 16.4341



12.3131, 11.9891, 15.3008



12.5802, 11.9891, 13.6254

Triad

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



12.3131, 11.9891, 15.3008



11.5931, 11.9891, 10.0392



10.3389, 11.9891, 14.2418

Complementary

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



12.3131, 11.9891, 15.3008



11.9988, 13.6034, 12.5837

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.



10.2872, 11.9891, 12.4990



12.3131, 11.9891, 15.3008



10.9973, 11.9891, 10.1725

Square

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



12.3131, 11.9891, 15.3008



12.1549, 11.9891, 10.6569



10.5242, 11.9891, 11.0388



10.6680, 11.9891, 15.7862

Rectangle

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



12.3131, 11.9891, 15.3008



12.5782, 11.9891, 12.4696



10.5242, 11.9891, 11.0388



10.2889, 11.9891, 13.6565

Sweetspot

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



12.3135, 11.9896, 15.3011



23.3498, 24.0769, 27.3477



11.4193, 11.8232, 15.3161



5.4346, 5.5785, 6.3962



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.3135, 11.9896, 15.3011



21.0031, 19.9911, 26.6827



12.3552, 12.0334, 14.2943



3.1705, 3.1396, 3.8738



8.2378, 3.8738, 17.2358



41.3483, 19.4154, 87.7945

Inverse Universe

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



12.0584, 11.9147, 12.7314



20.4503, 19.8303, 21.0442



11.9658, 13.5661, 13.4942



3.1185, 3.1243, 3.3541



7.4989, 3.8517, 0.9896



37.9835, 19.5353, 3.8498

Previews

White Background



This preview shows how the XYZ color 12.3131, 11.9891, 15.3008 looks on a white background.

Color Contrast Check

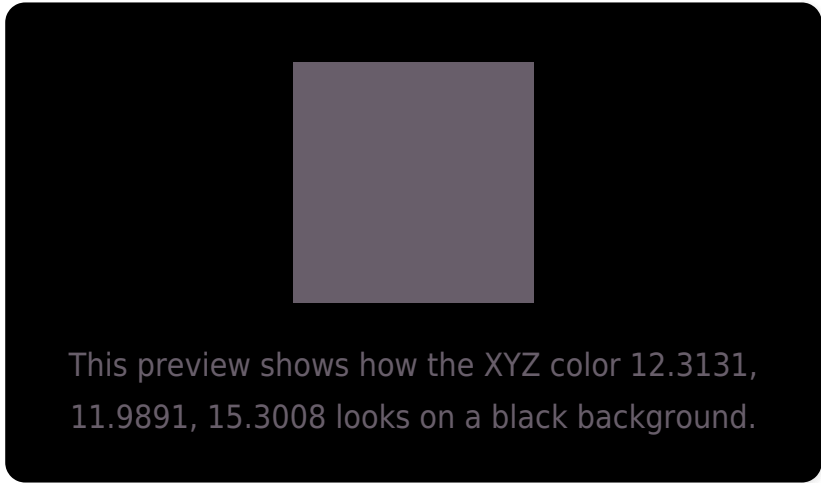
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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](#).

XYZ 12.3131, 11.9891, 15.3008

Background



This preview shows how black text looks on a background with the XYZ color 12.3131, 11.9891, 15.3008.



This preview shows how white text looks on a background with the XYZ color 12.3131, 11.9891,

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

12.3131, 11.9891, 15.3008

Protanopia

11.8053, 12.1189, 15.9043

Deuteranopia

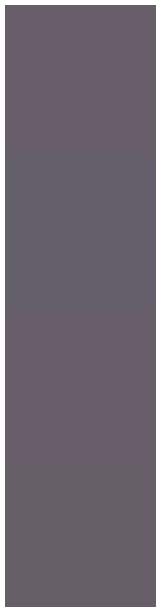
12.1977, 11.9296, 15.2954



Tritanopia

12.0840, 12.0273, 14.2550

Trichromacy



Original Color

12.3131, 11.9891, 15.3008

Protanomaly

11.9823, 12.0799, 15.6100

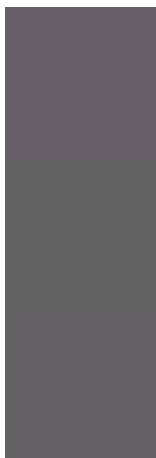
Deuteranomaly

12.1977, 11.9296, 15.2954

Tritanomaly

12.1339, 12.0473, 14.5178

Monochromacy



Original Color

12.3131, 11.9891, 15.3008

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8792, 12.1983, 14.0403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3131, 11.9891, 15.3008 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(104, 94, 106) looks like.

```
.text, #text, p{  
    color:rgb(104, 94, 106)  
}
```

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(104, 94, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 94, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.3131, 11.9891, 15.3008 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(104, 94, 106) }
```


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

```
.border{ border-color:rgb(104, 94, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 94, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 94, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 94, 106);  
box-shadow:4px 4px 4px 4px rgb(104, 94,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3131, 11.9891, 15.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 94, 106) }
```

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

```
.background{ background-color: rgb(104, 94,  
106) }
```

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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