

Converting Colors

XYZ(12.1815, 11.3185, 15.8618)

Have a look what the booklet for
XYZ(12.1815, 11.3185, 15.8618)
contains.

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Color

**XYZ(12.1049, 11.2307,
15.7171)**

Conversions

Conversions Part 1

Format	Color
Hex	69596C
RGB	105, 89, 108
RGB Percent	41%, 35%, 42%
CMY	0.5882, 0.6510, 0.5765
CMYK	0.03, 0.18, 0.00, 0.58
HSL	291°, 10%, 39%
HSV	291°, 18%, 42%
XYZ	12.1049, 11.2307, 15.7171
YIQ	95.9500, 3.4370, 9.3010

Conversions

Conversions Part 2

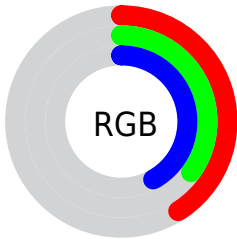
Format	Color
R_{YB}	105, 89, 108
Decimal	6904172
CIE Lab	39.97, 10.33, -8.42
CIE LCh	40, 13.325, 320.808
Yxy	11.2307, 0.3100, 0.2876
Android (android.graphics.Color)	4285094252 (0xFF69596C)
YUV	95.9500, 5.9407, 7.9369
Hunter-Lab	33.5122, 5.8293, -4.3482

Details

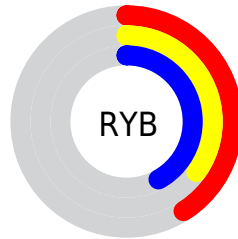
The XYZ color **12.1049, 11.2307, 15.7171** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.5796, 13.7219, 11.4899**, and the grayscale version is **11.0918, 11.6695, 12.7081**.

A 20% lighter version of the original color is **29.2009, 28.0364, 36.6734**, and **3.4511, 2.9642, 4.8051** is the 20% darker color. If you saturate the color by 10%, you get **11.0732, 9.4614, 15.4301**, and if you desaturate by 10%, it is **13.2732, 13.2668, 16.0487**.

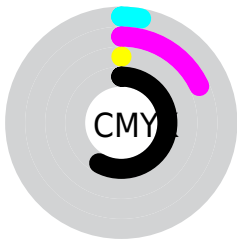
Distribution



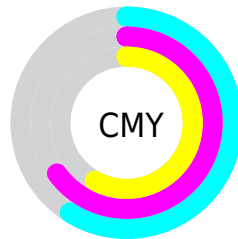
- Red (41%)
- Green (35%)
- Blue (42%)



- Red (41%)
- Yellow (35%)
- Blue (42%)



- Cyan (3%)
- Magenta (18%)
- Yellow (0%)
- Black (58%)



- Cyan (59%)
- Magenta (65%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1049, 11.2307, 15.7171 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 12.1049, 11.2307, 15.7171 by changing the saturation by 10% instead.

■ 12.1049, 11.2307,
15.7171

■ 12.1049, 11.2307,
15.7171

■ 198.8543,
199.2435, 239.4550

■ 6.8879, 6.2222,
9.1720

■ 29.3012, 28.0860,
36.8663

■ 3.4378, 2.9807,
4.7552

■ 42.0112, 40.7016,
52.3075

■ 1.3893, 1.1217,
2.0481

■ 57.9496, 56.6217,
71.5511

■ 0.2486, 0.0000,
0.5846

■ 77.4816, 76.2307,
95.0158

■ 0.0000, 0.0000,
0.0000

■ 100.9728, 99.9130,
123.1199

128.7884,

128.0530, 156.2822

161.2938,
161.0350, 194.9210

■ 12.1049, 11.2307,
15.7171

■ 12.1049, 11.2307,
15.7171

■ 11.0732, 9.4614,
15.4301

■ 13.2732, 13.2668,
16.0487

■ 10.1713, 7.9460,
15.1852

■ 14.5824, 15.5790,
16.4260

■ 9.3934, 6.6726,
14.9804

■ 16.0380, 18.1779,
16.8509

■ 8.7327, 5.6281,
14.8136

■ 17.6449, 21.0732,
17.3251

■ 8.1821, 4.7976,
14.6823

■ 19.4076, 24.2741,
17.8500

■ 7.7333, 4.1651,
14.5839

■ 21.3305, 27.7893,
18.4272

■ 7.3769, 3.7116,
14.5151

■ 23.4178, 31.6273,
19.0580

■ 7.0852, 3.3818,
14.4668

■ 25.6738, 35.7962,
19.7437

■ 7.0164, 3.3044,
14.4555

■ 28.1022, 40.3038,
20.4858

Harmonies

Analogous

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



11.3152, 11.2307, 17.6014



12.1049, 11.2307, 15.7171



12.5175, 11.2307, 13.0556

Triad

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



12.1049, 11.2307, 15.7171



10.9595, 11.2307, 7.8782



9.1048, 11.2307, 14.1176

Complementary

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



12.1049, 11.2307, 15.7171



11.5796, 13.7219, 11.4899

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.



9.0218, 11.2307, 11.4368



12.1049, 11.2307, 15.7171



10.0583, 11.2307, 8.0778

Square

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



12.1049, 11.2307, 15.7171



11.8317, 11.2307, 8.7073



9.3614, 11.2307, 9.2983



9.5952, 11.2307, 16.5898

Rectangle

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



12.1049, 11.2307, 15.7171



12.5079, 11.2307, 11.3028



9.3614, 11.2307, 9.2983



9.0295, 11.2307, 13.2031

Sweetspot

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



12.1052, 11.2312, 15.7173



23.8435, 24.2423, 28.3302



10.6686, 10.8902, 15.7272



5.7426, 5.8174, 6.8490



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.1052, 11.2312, 15.7173



20.5031, 18.4264, 27.3837



12.1388, 11.2860, 14.0228



3.1730, 3.1409, 3.8739



8.3505, 3.9319, 17.2411



41.9479, 19.7245, 87.8225

Inverse Universe

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



11.6888, 11.1060, 11.6531



19.6401, 18.1700, 18.8268



11.5635, 13.6815, 12.9378



3.1175, 3.1239, 3.3489



7.4900, 3.8481, 0.9427



37.9468, 19.5207, 3.6565

Previews

White Background



This preview shows how the XYZ color 12.1049, 11.2307, 15.7171 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 XYZ color 12.1049, 11.2307, 15.7171 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](#).

XYZ 12.1049, 11.2307, 15.7171

Background



This preview shows how black text looks on a background with the XYZ color 12.1049, 11.2307, 15.7171.



This preview shows how white text looks on a background with the XYZ color 12.1049, 11.2307,

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

12.1049, 11.2307, 15.7171

Protanopia

11.0980, 11.2005, 16.6159

Deuteranopia

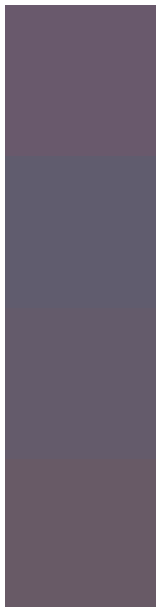
11.4108, 11.2572, 15.4814



Tritanopia

11.6546, 11.3071, 13.1235

Trichromacy



Original Color

12.1049, 11.2307, 15.7171

Protanomaly

11.4655, 11.2669, 16.3223

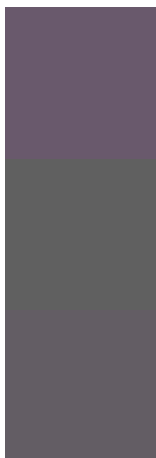
Deuteranomaly

11.6505, 11.2530, 15.4679

Tritanomaly

11.7634, 11.2147, 14.1150

Monochromacy



Original Color

12.1049, 11.2307, 15.7171

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3602, 11.4015, 13.6585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1049, 11.2307, 15.7171 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(105, 89, 108) looks like.

```
.text, #text, p{  
    color:rgb(105, 89, 108)  
}
```

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(105, 89, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 89, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.1049, 11.2307, 15.7171 is called "border". The border property can be set on classes, ids or directly on the HTML element.

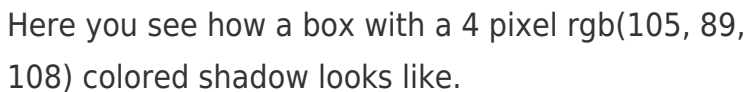
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 89, 108) }
```


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

```
.border{ border-color:rgb(105, 89, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 89, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 89, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 89, 108); box-shadow:4px 4px 4px 4px rgb(105, 89, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1049, 11.2307, 15.7171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 89, 108) }
```

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

```
.background{ background-color: rgb(105, 89,  
108) }
```

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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