

Converting Colors

XYZ(11.9164, 12.1986, 7.3171)

Have a look what the booklet for
XYZ(11.9164, 12.1986, 7.3171)
contains.

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Color

**XYZ(11.9391, 12.2402,
7.3636)**

Conversions

Conversions Part 1

Format	Color
Hex	706045
RGB	112, 96, 69
RGB Percent	44%, 38%, 27%
CMY	0.5608, 0.6235, 0.7294
CMYK	0.00, 0.14, 0.38, 0.56
HSL	38°, 24%, 35%
HSV	38°, 38%, 44%
XYZ	11.9391, 12.2402, 7.3636
YIQ	97.7060, 18.2030, -5.0050

Conversions

Conversions Part 2

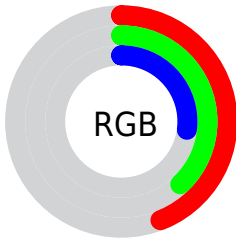
Format	Color
RYB	94, 112, 69
Decimal	7364677
CIELab	41.60, 2.15, 17.82
CIELCh	42, 17.948, 83.114
Yxy	12.2402, 0.3785, 0.3880
Android (android.graphics.Color)	4285554757 (0xFF706045)
YUV	97.7060, -14.1521, 12.5358
Hunter-Lab	34.9860, -0.3117, 12.0113

Details

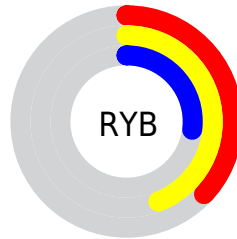
The XYZ color **11.9391, 12.2402, 7.3636** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6272, 8.9316, 16.5983**, and the grayscale version is **11.5675, 12.1700, 13.2531**.

A 20% lighter version of the original color is **29.0068, 29.8415, 21.0608**, and **3.3660, 3.4082, 1.4001** is the 20% darker color. If you saturate the color by 10%, you get **11.2537, 11.3742, 5.5788**, and if you desaturate by 10%, it is **12.7109, 13.1739, 9.5013**.

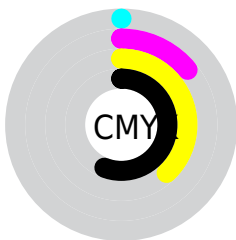
Distribution



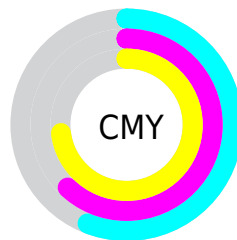
- Red (44%)
- Green (38%)
- Blue (27%)



- Red (37%)
- Yellow (44%)
- Blue (27%)



- Cyan (0%)
- Magenta (14%)
- Yellow (38%)
- Black (56%)



- Cyan (56%)
- Magenta (62%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9391, 12.2402, 7.3636 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 11.9391, 12.2402, 7.3636 by changing the saturation by 10% instead.

■ 11.9391, 12.2402,
7.3636

■ 11.9391, 12.2402,
7.3636

197.7799,
205.9891, 180.3956

■ 6.7741, 6.9075,
3.6086

■ 29.0020, 29.9318,
21.2262

■ 3.3663, 3.4043,
1.4132

■ 41.6306, 43.0595,
32.1710

■ 1.3503, 1.3463,
0.1520

■ 57.4777, 59.5544,
46.3494

■ 0.2204, 0.1766,
0.0000

■ 76.9089, 79.8007,
64.1800

■ 0.0000, 0.0000,
0.0000

■ 100.2893,
104.1829, 86.0815

127.9843,

133.0855, 112.4722

160.3594,
166.8927, 143.7707

■ 11.9391, 12.2402,
7.3636

■ 11.9391, 12.2402,
7.3636

■ 11.2537, 11.3742,
5.5788

■ 12.7109, 13.1739,
9.5013

■ 10.6498, 10.5722,
4.1267

■ 13.5719, 14.1755,
12.0093

■ 10.1233, 9.8324,
2.9858

■ 14.5260, 15.2475,
14.9047

■ 9.6694, 9.1523,
2.1321

■ 15.5763, 16.3917,
18.2032

■ 9.2823, 8.5291,
1.5379

■ 16.7259, 17.6098,
21.9198

■ 8.9454, 7.9557,
1.1159

■ 17.9779, 18.9033,
26.0686

■ 8.8931, 7.8670,
1.0498

■ 19.3350, 20.2740,
30.6631

■ 20.7999, 21.7231,
35.7162

■ 22.3753, 23.2523,
41.2402

Harmonies

Analogous

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



13.2151, 12.2402, 8.3429



11.9391, 12.2402, 7.3636



10.6713, 12.2402, 7.7248

Triad

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



11.9391, 12.2402, 7.3636



9.4642, 12.2402, 16.3703



13.7710, 12.2402, 18.1525

Complementary

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



11.9391, 12.2402, 7.3636



8.6272, 8.9316, 16.5983

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.



12.6528, 12.2402, 21.1397



11.9391, 12.2402, 7.3636



10.1842, 12.2402, 19.9831

Square

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



11.9391, 12.2402, 7.3636



9.3044, 12.2402, 12.4797



11.3340, 12.2402, 21.8660



14.3231, 12.2402, 14.2128

Rectangle

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



11.9391, 12.2402, 7.3636



9.9933, 12.2402, 8.7177



11.3340, 12.2402, 21.8660



13.4450, 12.2402, 19.3293

Sweetspot

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



11.9394, 12.2408, 7.3639



24.8416, 26.0328, 24.1059



10.4692, 8.3647, 9.7582



5.9305, 6.2121, 5.6771



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



11.9394, 12.2408, 7.3639



19.9056, 20.1566, 10.1415



12.9297, 15.1426, 7.8718



3.5426, 3.7177, 3.6042



10.2590, 9.0505, 1.2062



50.2582, 43.3915, 5.7265

Inverse Universe

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



8.6272, 8.9316, 16.5983



13.2063, 13.4683, 28.8334



7.8782, 6.8828, 16.2423



3.3098, 3.4849, 4.2524



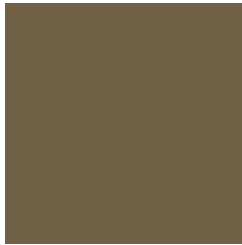
4.3037, 3.1977, 18.1120



20.6712, 14.3943, 89.9680

Previews

White Background



This preview shows how the XYZ color 11.9391, 12.2402, 7.3636 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 11.9391, 12.2402, 7.3636 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

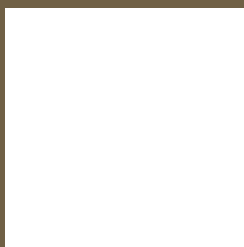
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9391, 12.2402, 7.3636

Background



This preview shows how black text looks on a background with the XYZ color 11.9391, 12.2402, 7.3636.



This preview shows how white text looks on a background with the XYZ color 11.9391, 12.2402,

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

11.9391, 12.2402, 7.3636

Protanopia

11.4170, 12.2417, 7.5555

Deuteranopia

12.4130, 12.2170, 7.3341



Tritanopia

13.1495, 12.2000, 13.4662

Trichromacy



Original Color

11.9391, 12.2402, 7.3636

Protanomaly

11.5645, 12.1797, 7.5358

Deuteranomaly

12.2366, 12.2589, 7.3515

Tritanomaly

12.6152, 12.1107, 10.9052

Monochromacy



Original Color

11.9391, 12.2402, 7.3636

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5885, 12.1211, 10.7456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9391, 12.2402, 7.3636 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(112, 96, 69)` looks like.

```
.text, #text, p{  
    color:rgb(112, 96, 69)  
}
```

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(112, 96, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 96, 69) }
```

Border

The CSS property to change the border of an element to XYZ 11.9391, 12.2402, 7.3636 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(112, 96, 69) }
```


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

```
.border{ border-color:rgb(112, 96, 69) }
```

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

Here you see how a box with a 4 pixel rgb(112, 96, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 96, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 96, 69);  
box-shadow:4px 4px 4px 4px rgb(112, 96,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9391, 12.2402, 7.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 96, 69) }
```

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

```
.background{ background-color: rgb(112, 96,  
69) }
```

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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