

Converting Colors

XYZ(11.6584, 12.3852, 14.3035)

Have a look what the booklet for
XYZ(11.6584, 12.3852, 14.3035)
contains.

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Color

**XYZ(11.6840, 12.3698,
14.3422)**

Conversions

Conversions Part 1

Format	Color
Hex	606366
RGB	96, 99, 102
RGB Percent	38%, 39%, 40%
CMY	0.6235, 0.6118, 0.6000
CMYK	0.06, 0.03, 0.00, 0.60
HSL	210°, 3%, 39%
HSV	210°, 6%, 40%
XYZ	11.6840, 12.3698, 14.3422
YIQ	98.4450, -2.7510, 0.2970

Conversions

Conversions Part 2

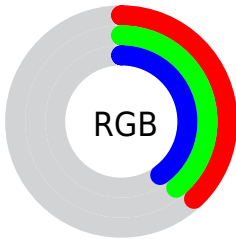
Format	Color
R_{YB}	96, 98, 102
Decimal	6316902
CIE Lab	41.80, -0.52, -2.11
CIE LCh	42, 2.172, 256.215
Yxy	12.3698, 0.3043, 0.3222
Android (android.graphics.Color)	4284506982 (0xFF606366)
YUV	98.4450, 1.7526, -2.1443
Hunter-Lab	35.1707, -2.2496, 0.4418

Details

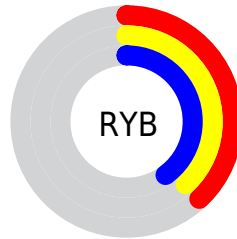
The XYZ color **11.6840, 12.3698, 14.3422** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0527, 12.5929, 12.8620**, and the grayscale version is **11.7170, 12.3272, 13.4243**.

A 20% lighter version of the original color is **28.5102, 30.2236, 34.4681**, and **3.2781, 3.5002, 4.1173** is the 20% darker color. If you saturate the color by 10%, you get **10.2120, 10.9169, 14.1395**, and if you desaturate by 10%, it is **13.3265, 13.9566, 14.5621**.

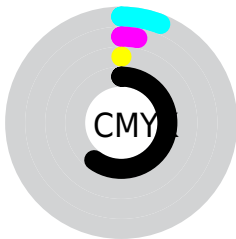
Distribution



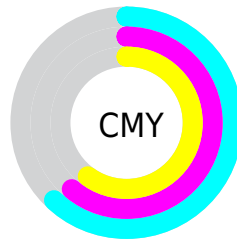
- Red (38%)
- Green (39%)
- Blue (40%)



- Red (38%)
- Yellow (38%)
- Blue (40%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (60%)



- Cyan (62%)
- Magenta (61%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6840, 12.3698, 14.3422 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 11.6840, 12.3698, 14.3422 by changing the saturation by 10% instead.

■ 11.6840, 12.3698,
14.3422

■ 11.6840, 12.3698,
14.3422

196.1149,
206.8383, 230.8514

■ 6.5996, 6.9961,
8.2176

■ 28.5401, 30.1669,
34.4208

■ 3.2570, 3.4596,
4.1447

■ 41.0425, 43.3589,
49.2119

■ 1.2911, 1.3761,
1.7051

■ 56.7483, 59.9259,
67.7289

■ 0.1765, 0.1990,
0.3642

■ 76.0227, 80.2522,
90.3903

■ 0.0000, 0.0000,
0.0000

99.2313, 104.7222,
117.6148

126.7392,

133.7203, 149.8207

158.9120,
167.6309, 187.4267

■ 11.6840, 12.3698,
14.3422

■ 11.6840, 12.3698,
14.3422

■ 10.2120, 10.9169,
14.1395

■ 13.3265, 13.9566,
14.5621

■ 8.9036, 9.5924,
13.9528

■ 15.1439, 15.6792,
14.7988

■ 7.7528, 8.3927,
13.7819

■ 17.1420, 17.5419,
15.0530

■ 6.7531, 7.3136,
13.6263

■ 19.3258, 19.5480,
15.3251

■ 5.8971, 6.3504,
13.4855

■ 21.7002, 21.7006,
15.6155

■ 5.1772, 5.4983,
13.3590

■ 24.2700, 24.0031,
15.9245

■ 4.5848, 4.7517,
13.2461

■ 27.0395, 26.4583,
16.2524

■ 4.1101, 4.1047,
13.1463

■ 30.0132, 29.0694,
16.5997

■ 3.7298, 3.5442,
13.0581

■ 33.1953, 31.8390,
16.9666

Harmonies

Analogous

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



11.5456, 12.3698, 14.1145



11.6840, 12.3698, 14.3422



11.8432, 12.3698, 14.3321

Triad

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



11.6840, 12.3698, 14.3422



12.0549, 12.3698, 13.2242



11.5365, 12.3698, 12.8683

Complementary

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



11.6840, 12.3698, 14.3422



12.0527, 12.5929, 12.8620

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.



11.6715, 12.3698, 12.6405



11.6840, 12.3698, 14.3422



11.9712, 12.3698, 12.8427

Square

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



11.6840, 12.3698, 14.3422



12.0583, 12.3698, 13.6796



11.8306, 12.3698, 12.6312



11.4610, 12.3698, 13.2598

Rectangle

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



11.6840, 12.3698, 14.3422



11.9398, 12.3698, 14.1918



11.8306, 12.3698, 12.6312



11.5764, 12.3698, 12.7705

Sweetspot

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



11.6844, 12.3703, 14.3425



21.5572, 22.7306, 25.2969



11.8228, 12.8887, 13.6442



5.0976, 5.3740, 5.9694



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.6844, 12.3703, 14.3425



20.1342, 21.3452, 25.1045



11.4144, 11.8303, 14.2525



2.8628, 3.0348, 3.5669



4.5634, 4.1986, 16.7142



22.9252, 20.1471, 86.8819

Inverse Universe

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



11.9148, 12.0916, 13.5109



20.6261, 20.7565, 23.3281



12.3326, 13.1526, 12.9553



2.9321, 2.9519, 3.3167



7.7861, 3.9274, 4.2719



40.1667, 20.3067, 19.9532

Previews

White Background



This preview shows how the XYZ color 11.6840, 12.3698, 14.3422 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 11.6840, 12.3698, 14.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

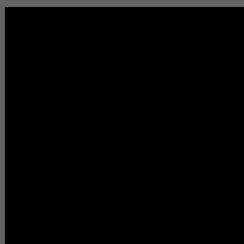
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

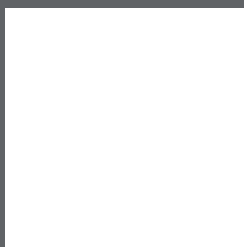
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6840, 12.3698, 14.3422

Background



This preview shows how black text looks on a background with the XYZ color 11.6840, 12.3698, 14.3422.



This preview shows how white text looks on a background with the XYZ color 11.6840, 12.3698,

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

11.6840, 12.3698, 14.3422

Protanopia

11.8622, 12.3276, 14.0662

Deuteranopia

12.5749, 12.4092, 14.5644



Tritanopia

11.8990, 12.3174, 15.3860

Trichromacy

**Original Color**

11.6840, 12.3698, 14.3422

Protanomaly

11.7536, 12.2716, 14.0611

Deuteranomaly

12.2024, 12.3534, 14.5733

Tritanomaly

11.8472, 12.2967, 15.1137

Monochromacy

**Original Color**

11.6840, 12.3698, 14.3422

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5496, 12.1776, 13.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6840, 12.3698, 14.3422 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(96, 99, 102) looks like.

```
.text, #text, p{  
    color:rgb(96, 99, 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(96, 99, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 99, 102) }
```

Border

The CSS property to change the border of an element to XYZ 11.6840, 12.3698, 14.3422 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(96, 99, 102) }
```


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

```
.border{ border-color:rgb(96, 99, 102) }
```

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

Here you see how a box with a 4 pixel rgb(96, 99, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 99, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 99, 102);  
box-shadow:4px 4px 4px 4px rgb(96, 99,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6840, 12.3698, 14.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 99, 102) }
```

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

```
.background{ background-color: rgb(96, 99,  
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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