

Converting Colors

XYZ(12.9229, 13.6440, 11.8500)

Have a look what the booklet for
XYZ(12.9229, 13.6440, 11.8500)
contains.

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Color

**XYZ(12.9229, 13.6440,
11.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	6C675B
RGB	108, 103, 91
RGB Percent	42%, 40%, 36%
CMY	0.5765, 0.5961, 0.6431
CMYK	0.00, 0.05, 0.16, 0.58
HSL	42°, 9%, 39%
HSV	42°, 16%, 42%
XYZ	12.9229, 13.6440, 11.8500
YIQ	103.1270, 6.8320, -2.6720

Conversions

Conversions Part 2

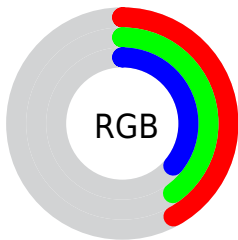
Format	Color
RYB	98, 108, 91
Decimal	7104347
CIELab	43.72, -0.30, 7.47
CIElCh	44, 7.480, 92.300
Yxy	13.6440, 0.3364, 0.3552
Android (android.graphics.Color)	4285294427 (0xFF6C675B)
YUV	103.1270, -5.9786, 4.2736
Hunter-Lab	36.9378, -2.1919, 6.8356

Details

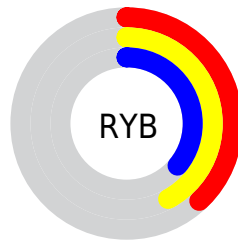
The XYZ color **12.9229, 13.6440, 11.8500** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2039, 11.6723, 15.8498**, and the grayscale version is **12.9401, 13.6140, 14.8256**.

A 20% lighter version of the original color is **30.8605, 32.5079, 29.8474**, and **3.7513, 3.9785, 3.0528** is the 20% darker color. If you saturate the color by 10%, you get **12.1805, 12.8518, 9.4671**, and if you desaturate by 10%, it is **13.7451, 14.4883, 14.5907**.

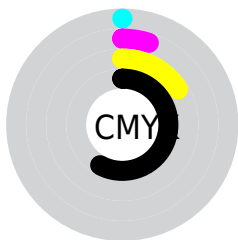
Distribution



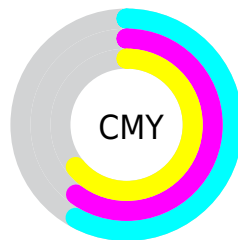
- Red (42%)
- Green (40%)
- Blue (36%)



- Red (38%)
- Yellow (42%)
- Blue (36%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (58%)



- Cyan (58%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9229, 13.6440, 11.8500 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 12.9229, 13.6440, 11.8500 by changing the saturation by 10% instead.

■ 12.9229, 13.6440,
11.8500

■ 12.9229, 13.6440,
11.8500

204.0706,
215.0047, 214.3523

■ 7.4521, 7.8735,
6.5203

■ 30.7677, 32.4560,
29.8819

■ 3.7952, 4.0141,
3.0901

■ 43.8724, 46.2663,
43.4212

■ 1.5870, 1.6815,
1.1408

■ 60.2525, 63.5253,
60.5342

■ 0.3839, 0.4116,
0.0000

■ 80.2733, 84.6174,
81.6393

■ 0.0000, 0.0000,
0.0000

104.3001,
109.9270, 107.1551

132.6984,

139.8385, 137.5002

165.8334,
174.7363, 173.0931

■ 12.9229, 13.6440,
11.8500

■ 12.9229, 13.6440,
11.8500

■ 12.1805, 12.8518,
9.4671

■ 13.7451, 14.4883,
14.5907

■ 11.5138, 12.1083,
7.4260

■ 14.6489, 15.3841,
17.7026

■ 10.9200, 11.4128,
5.7110

■ 15.6372, 16.3333,
21.1992

■ 10.3956, 10.7637,
4.3045

■ 16.7125, 17.3371,
25.0934

■ 9.9370, 10.1591,
3.1875

■ 17.8774, 18.3968,
29.3972

■ 9.5399, 9.5973,
2.3388

■ 19.1341, 19.5134,
34.1222

■ 9.1996, 9.0760,
1.7340

■ 20.4848, 20.6879,
39.2796

■ 8.9060, 8.5911,
1.3210

■ 21.9317, 21.9216,
44.8802

■ 8.7863, 8.3920,
1.1567

■ 23.4769, 23.2152,
50.9342

Harmonies

Analogous

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



13.5009, 13.6440, 12.1697



12.9229, 13.6440, 11.8500



12.3734, 13.6440, 12.2839

Triad

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



12.9229, 13.6440, 11.8500



12.0359, 13.6440, 16.6541



13.9952, 13.6440, 16.4125

Complementary

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



12.9229, 13.6440, 11.8500



11.2039, 11.6723, 15.8498

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.



13.5817, 13.6440, 17.7643



12.9229, 13.6440, 11.8500



12.4498, 13.6440, 17.9110

Square

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



12.9229, 13.6440, 11.8500



11.8711, 13.6440, 14.9863



13.0136, 13.6440, 18.3317



14.1310, 13.6440, 14.7265

Rectangle

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



12.9229, 13.6440, 11.8500



12.0941, 13.6440, 12.9627



13.0136, 13.6440, 18.3317



13.8834, 13.6440, 16.9253

Sweetspot

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



12.9233, 13.6446, 11.8503



24.2230, 25.5284, 25.9272



12.0415, 11.5169, 12.6790



5.8435, 6.1594, 6.2093



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.



12.9233, 13.6446, 11.8503



22.1800, 23.4189, 19.1525



13.0298, 14.4596, 12.0020



3.2617, 3.4407, 3.3097



10.4559, 9.9616, 1.3717



52.4994, 49.2024, 6.7300

Inverse Universe

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



11.2039, 11.6723, 15.8498



18.5303, 19.2325, 27.6433



11.1052, 10.9660, 15.7187



3.0142, 3.1568, 3.8853



3.8144, 2.4632, 17.1966



18.7657, 11.2099, 87.4009

Previews

White Background



This preview shows how the XYZ color 12.9229, 13.6440, 11.8500 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 12.9229, 13.6440, 11.8500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

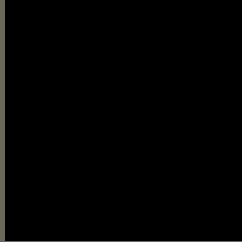
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9229, 13.6440, 11.8500

Background



This preview shows how black text looks on a background with the XYZ color 12.9229, 13.6440, 11.8500.



This preview shows how white text looks on a background with the XYZ color 12.9229, 13.6440,

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

12.9229, 13.6440, 11.8500

Protanopia

12.9229, 13.6440, 11.8500

Deuteranopia

13.9602, 13.7386, 12.0413



Tritanopia

13.6944, 13.5120, 16.0737

Trichromacy



Original Color

12.9229, 13.6440, 11.8500

Protanomaly

12.9229, 13.6440, 11.8500

Deuteranomaly

13.5249, 13.6575, 12.0485

Tritanomaly

13.3586, 13.5179, 14.4755

Monochromacy



Original Color

12.9229, 13.6440, 11.8500

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9281, 13.6046, 13.7489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9229, 13.6440, 11.8500 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(108, 103, 91)` looks like.

```
.text, #text, p{  
    color:rgb(108, 103, 91)  
}
```

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(108, 103, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 103, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.9229, 13.6440, 11.8500 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(108, 103, 91) }
```


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

```
.border{ border-color:rgb(108, 103, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 103, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 103, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 103, 91);  
box-shadow:4px 4px 4px 4px rgb(108, 103,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9229, 13.6440, 11.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 103, 91) }
```

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

```
.background{ background-color: rgb(108,  
103, 91) }
```

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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