

Converting Colors

XYZ(13.1182, 12.9702, 14.5590)

Have a look what the booklet for
XYZ(13.1182, 12.9702, 14.5590)
contains.

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Color

**XYZ(13.1225, 12.9658,
14.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6267
RGB	109, 98, 103
RGB Percent	43%, 38%, 40%
CMY	0.5725, 0.6157, 0.5961
CMYK	0.00, 0.10, 0.06, 0.57
HSL	333°, 5%, 41%
HSV	333°, 10%, 43%
XYZ	13.1225, 12.9658, 14.6430
YIQ	101.8590, 4.9510, 3.8870

Conversions

Conversions Part 2

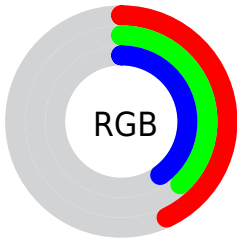
Format	Color
R_{YB}	109, 98, 103
Decimal	7168615
CIE _{Lab}	42.71, 5.35, -1.24
CIE _{LCh}	43, 5.496, 346.955
Yxy	12.9658, 0.3222, 0.3183
Android (android.graphics.Color)	4285358695 (0xFF6D6267)
YUV	101.8590, 0.5625, 6.2627
Hunter-Lab	36.0081, 2.0371, 1.0948

Details

The XYZ color **13.1225, 12.9658, 14.6430** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0048, 14.5337, 15.2171**, and the grayscale version is **12.5904, 13.2461, 14.4250**.

A 20% lighter version of the original color is **31.2781, 31.4051, 34.9851**, and **3.8663, 3.7336, 4.2583** is the 20% darker color. If you saturate the color by 10%, you get **11.8834, 10.9483, 12.8095**, and if you desaturate by 10%, it is **14.5224, 15.2707, 16.6352**.

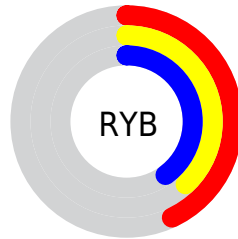
Distribution



Red (43%)

Green (38%)

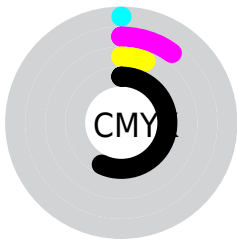
Blue (40%)



Red (43%)

Yellow (38%)

Blue (40%)

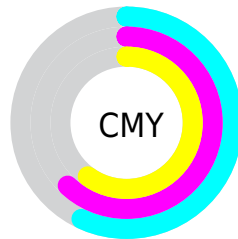


Cyan (0%)

Magenta (10%)

Yellow (6%)

Black (57%)



Cyan (57%)

Magenta (62%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1225, 12.9658, 14.6430 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 13.1225, 12.9658, 14.6430 by changing the saturation by 10% instead.

■ 13.1225, 12.9658,
14.6430

■ 13.1225, 12.9658,
14.6430

205.3230,
210.6984, 232.7610

■ 7.5905, 7.4050,
8.4254

■ 31.1231, 31.2423,
34.9591

■ 3.8837, 3.7167,
4.2767

■ 44.3225, 44.7268,
49.8946

■ 1.6365, 1.5164,
1.7783

■ 60.8084, 61.6214,
68.5732

■ 0.4160, 0.3002,
0.4136

■ 80.9462, 82.3104,
91.4134

■ 0.0000, 0.0000,
0.0000

105.1012,
107.1782, 118.8337

133.6387,

136.6092, 151.2527

166.9242,
170.9878, 189.0890

■ 13.1225, 12.9658,
14.6430

■ 13.1225, 12.9658,
14.6430

■ 11.8834, 10.9483,
12.8095

■ 14.5224, 15.2707,
16.6352

■ 10.7981, 9.2053,
11.1297

■ 16.0879, 17.8721,
18.7892

■ 9.8606, 7.7251,
9.5995

■ 17.8245, 20.7806,
21.1092

■ 9.0638, 6.4948,
8.2143

■ 19.7375, 24.0060,
23.5989

■ 8.4005, 5.5004,
6.9692

■ 21.8319, 27.5573,
26.2618

■ 7.8625, 4.7261,
5.8590

■ 24.1123, 31.4436,
29.1015

■ 7.4405, 4.1547,
4.8781

■ 26.5833, 35.6733,
32.1211

■ 7.1241, 3.7661,
4.0202

■ 29.2493, 40.2546,
35.3241

■ 6.8725, 3.4776,
3.2746

■ 32.1145, 45.1954,
38.7136

Harmonies

Analogous

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



12.9198, 12.9658, 15.7461



13.1225, 12.9658, 14.6430



13.1077, 12.9658, 13.4575

Triad

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



13.1225, 12.9658, 14.6430



12.0909, 12.9658, 12.0302



11.7836, 12.9658, 15.8657

Complementary

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



13.1225, 12.9658, 14.6430



13.0048, 14.5337, 15.2171

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.



11.5714, 12.9658, 14.7988



13.1225, 12.9658, 14.6430



11.7461, 12.9658, 12.6054

Square

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



13.1225, 12.9658, 14.6430



12.5057, 12.9658, 11.9937



11.5578, 12.9658, 13.6048



12.1433, 12.9658, 16.4784

Rectangle

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



13.1225, 12.9658, 14.6430



12.9765, 12.9658, 12.7797



11.5578, 12.9658, 13.6048



11.6930, 12.9658, 15.5457

Sweetspot

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



13.1229, 12.9664, 14.6433



25.2236, 26.0543, 28.6899



12.8219, 12.7751, 16.2582



5.8287, 5.9953, 6.6182



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.



13.1229, 12.9664, 14.6433



22.9760, 22.3637, 25.4600



12.9138, 12.9377, 13.3725



3.1516, 3.1375, 3.5287



8.0262, 4.0626, 3.7668



40.4697, 20.5298, 16.9423

Inverse Universe

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



13.1229, 12.9664, 14.6433



22.9760, 22.3637, 25.4600



13.2273, 14.5603, 16.5814



3.1516, 3.1375, 3.5287



8.0262, 4.0626, 3.7668



40.4697, 20.5298, 16.9423

Previews

White Background



This preview shows how the XYZ color 13.1225, 12.9658, 14.6430 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 13.1225, 12.9658, 14.6430 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 13.1225, 12.9658, 14.6430

Background



This preview shows how black text looks on a background with the XYZ color 13.1225, 12.9658, 14.6430.



This preview shows how white text looks on a background with the XYZ color 13.1225, 12.9658,

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

13.1225, 12.9658, 14.6430

Protanopia

12.5354, 12.9386, 14.9334

Deuteranopia

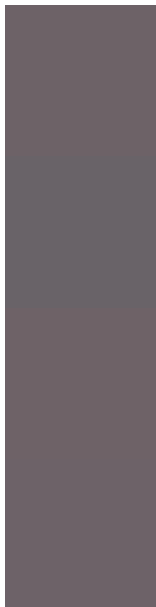
13.2463, 13.0296, 14.6488



Tritanopia

13.2242, 13.0065, 15.1781

Trichromacy



Original Color

13.1225, 12.9658, 14.6430

Protanomaly

12.7862, 12.9264, 14.9178

Deuteranomaly

13.2463, 13.0296, 14.6488

Tritanomaly

13.1730, 12.9861, 14.9090

Monochromacy



Original Color

13.1225, 12.9658, 14.6430

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8777, 13.2699, 14.4530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1225, 12.9658, 14.6430 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(109, 98, 103)` looks like.

```
.text, #text, p{  
    color:rgb(109, 98, 103)  
}
```

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(109, 98, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 98, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.1225, 12.9658, 14.6430 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(109, 98, 103) }
```


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

```
.border{ border-color:rgb(109, 98, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 98, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 98, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 98, 103);  
box-shadow:4px 4px 4px 4px rgb(109, 98,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1225, 12.9658, 14.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 98, 103) }
```

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

```
.background{ background-color: rgb(109, 98,  
103) }
```

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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