

Converting Colors

XYZ(13.1074, 14.2612, 12.1414)

Have a look what the booklet for
XYZ(13.1074, 14.2612, 12.1414)
contains.

XYZ(13.0297, 14.1449, 12.1687)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0297, 14.1449,
12.1687)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6A5C
RGB	106, 106, 92
RGB Percent	42%, 42%, 36%
CMY	0.5843, 0.5843, 0.6392
CMYK	0.00, 0.00, 0.13, 0.58
HSL	60°, 7%, 39%
HSV	60°, 13%, 42%
XYZ	13.0297, 14.1449, 12.1687
YIQ	104.4040, 4.4940, -4.3540

Conversions

Conversions Part 2

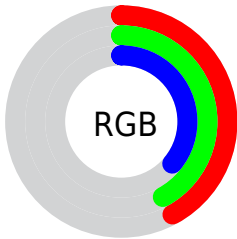
Format	Color
R_{YB}	92, 106, 92
Decimal	6974044
CIE Lab	44.44, -2.71, 7.87
CIE LCh	44, 8.323, 108.974
Yxy	14.1449, 0.3312, 0.3595
Android (android.graphics.Color)	4285164124 (0xFF6A6A5C)
YUV	104.4040, -6.1152, 1.3997
Hunter-Lab	37.6097, -3.9765, 7.1434

Details

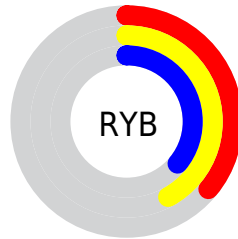
The XYZ color **13.0297, 14.1449, 12.1687** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8427, 10.9705, 15.1824**, and the grayscale version is **13.2818, 13.9735, 15.2172**.

A 20% lighter version of the original color is **30.8441, 33.2350, 30.3805**, and **3.8607, 4.2550, 3.2026** is the 20% darker color. If you saturate the color by 10%, you get **12.5984, 13.9729, 9.8966**, and if you desaturate by 10%, it is **13.5266, 14.3441, 14.7830**.

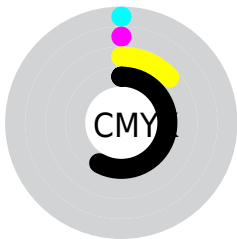
Distribution



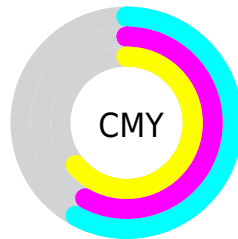
- Red (42%)
- Green (42%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0297, 14.1449, 12.1687 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 13.0297, 14.1449, 12.1687 by changing the saturation by 10% instead.

■ 13.0297, 14.1449,
12.1687

■ 13.0297, 14.1449,
12.1687

204.7417,
218.1304, 216.5363

■ 7.5261, 8.2215,
6.7347

■ 30.9580, 33.3459,
30.4710

■ 3.8425, 4.2370,
3.2208

■ 44.1134, 47.3923,
44.1764

■ 1.6134, 1.8070,
1.2085

■ 60.5502, 64.9152,
61.4760

■ 0.4011, 0.4915,
0.0000

■ 80.6337, 86.2989,
82.7884

■ 0.0000, 0.0000,
0.0000

104.7292,
111.9279, 108.5320

133.2022,

142.1866, 139.1256

166.4179,
177.4593, 174.9875

■ 13.0297, 14.1449,
12.1687

■ 13.0297, 14.1449,
12.1687

■ 12.5984, 13.9729,
9.8966

■ 13.5266, 14.3441,
14.7830

■ 12.2290, 13.8251,
7.9517

■ 14.0905, 14.5697,
17.7519

■ 11.9189, 13.7010,
6.3191

■ 14.7241, 14.8232,
21.0882

■ 11.6650, 13.5994,
4.9827

■ 15.4299, 15.1055,
24.8039

■ 11.4640, 13.5190,
3.9246

■ 16.2098, 15.4175,
28.9104

■ 11.3121, 13.4582,
3.1253

■ 17.0660, 15.7600,
33.4187

■ 11.2051, 13.4154,
2.5626

■ 18.0005, 16.1338,
38.3393

■ 11.1369, 13.3881,
2.2039

■ 19.0153, 16.5397,
43.6822

■ 11.0974, 13.3723,
1.9962

■ 20.1121, 16.9784,
49.4573

Harmonies

Analogous

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



13.6922, 14.1449, 12.0559



13.0297, 14.1449, 12.1687



12.4955, 14.1449, 13.1040

Triad

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



13.0297, 14.1449, 12.1687



12.6162, 14.1449, 18.3564



14.7491, 14.1449, 16.1180

Complementary

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



13.0297, 14.1449, 12.1687



10.8427, 10.9705, 15.1824

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.



14.4400, 14.1449, 17.9528



13.0297, 14.1449, 12.1687



13.1994, 14.1449, 19.3147

Square

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



13.0297, 14.1449, 12.1687



12.2623, 14.1449, 16.6326



13.8676, 14.1449, 19.1612



14.7000, 14.1449, 14.2325

Rectangle

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



13.0297, 14.1449, 12.1687



12.2771, 14.1449, 14.1150



13.8676, 14.1449, 19.1612



14.6832, 14.1449, 16.7637

Sweetspot

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



13.0301, 14.1455, 12.1690



23.6551, 25.1399, 25.5045



11.7032, 11.4915, 11.7267



5.5285, 5.8839, 5.9075



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



13.0301, 14.1455, 12.1690



22.6100, 24.7218, 20.0020



12.2318, 13.7340, 12.1316



3.3331, 3.5835, 3.3335



13.7715, 16.5946, 2.4773



70.1713, 84.5567, 12.6227

Inverse Universe

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



10.8427, 10.9705, 15.1824



17.9316, 17.9311, 26.4470



11.5746, 11.3478, 15.2166



2.9484, 3.0252, 3.8634



3.2287, 1.2915, 17.0014



16.4512, 6.5805, 86.6293

Previews

White Background



This preview shows how the XYZ color 13.0297, 14.1449, 12.1687 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 13.0297, 14.1449, 12.1687 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

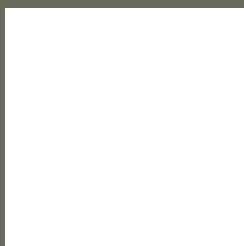
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0297, 14.1449, 12.1687

Background



This preview shows how black text looks on a background with the XYZ color 13.0297, 14.1449, 12.1687.



This preview shows how white text looks on a background with the XYZ color 13.0297, 14.1449,

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

13.0297, 14.1449, 12.1687

Protanopia

13.3703, 14.1735, 11.9286

Deuteranopia

14.3752, 14.0907, 12.3181



Tritanopia

14.0262, 14.0994, 17.0211

Trichromacy



Original Color

13.0297, 14.1449, 12.1687

Protanomaly

13.2466, 14.1097, 11.9228

Deuteranomaly

13.8963, 14.1356, 12.3520

Tritanomaly

13.6333, 14.0883, 15.0975

Monochromacy



Original Color

13.0297, 14.1449, 12.1687

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1775, 14.0265, 14.0694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0297, 14.1449, 12.1687 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(106, 106, 92)` looks like.

```
.text, #text, p{  
    color:rgb(106, 106, 92)  
}
```

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(106, 106, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 106, 92) }
```

Border

The CSS property to change the border of an element to XYZ 13.0297, 14.1449, 12.1687 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(106, 106, 92) }
```


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

```
.border{ border-color:rgb(106, 106, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 106, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 106, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 106, 92);  
box-shadow:4px 4px 4px 4px rgb(106, 106,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0297, 14.1449, 12.1687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 106, 92) }
```

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

```
.background{ background-color: rgb(106,  
106, 92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor