

Converting Colors

XYZ(13.2100, 14.1646, 9.8211)

Have a look what the booklet for
XYZ(13.2100, 14.1646, 9.8211)
contains.

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Color

**XYZ(13.2189, 14.1420,
9.8175)**

Conversions

Conversions Part 1

Format	Color
Hex	706951
RGB	112, 105, 81
RGB Percent	44%, 41%, 32%
CMY	0.5608, 0.5882, 0.6824
CMYK	0.00, 0.06, 0.28, 0.56
HSL	46°, 16%, 38%
HSV	46°, 28%, 44%
XYZ	13.2189, 14.1420, 9.8175
YIQ	104.3570, 11.8760, -5.9800

Conversions

Conversions Part 2

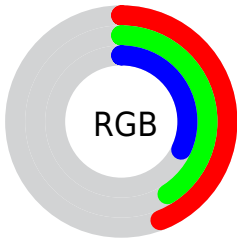
Format	Color
RYB	90, 112, 81
Decimal	7366993
CIELab	44.44, -1.45, 14.52
CIELCh	44, 14.589, 95.690
Yxy	14.1420, 0.3556, 0.3804
Android (android.graphics.Color)	4285557073 (0xFF706951)
YUV	104.3570, -11.5150, 6.7029
Hunter-Lab	37.6059, -3.0654, 10.8457

Details

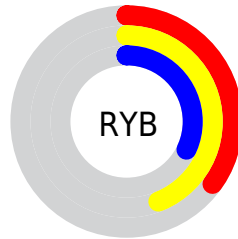
The XYZ color **13.2189, 14.1420, 9.8175** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.8076, 9.8984, 16.7230**, and the grayscale version is **13.2819, 13.9736, 15.2172**.

A 20% lighter version of the original color is **31.2276, 33.2812, 25.8971**, and **3.9458, 4.2435, 2.2802** is the 20% darker color. If you saturate the color by 10%, you get **12.5795, 13.4808, 7.7005**, and if you desaturate by 10%, it is **13.9360, 14.8475, 12.3026**.

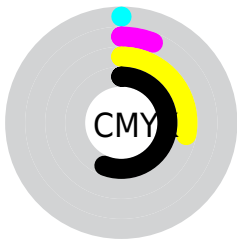
Distribution



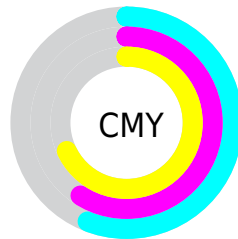
- Red (44%)
- Green (41%)
- Blue (32%)



- Red (35%)
- Yellow (44%)
- Blue (32%)



- Cyan (0%)
- Magenta (6%)
- Yellow (28%)
- Black (56%)



- Cyan (56%)
- Magenta (59%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2189, 14.1420, 9.8175 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 13.2189, 14.1420, 9.8175 by changing the saturation by 10% instead.

■ 13.2189, 14.1420,
9.8175

■ 13.2189, 14.1420,
9.8175

205.9252,
218.1124, 199.8018

■ 7.6575, 8.2195,
5.1741

■ 31.2945, 33.3408,
26.0541

■ 3.9265, 4.2357,
2.2893

■ 44.5393, 47.3858,
38.4844

■ 1.6607, 1.8063,
0.7252

■ 61.0761, 64.9072,
54.3474

■ 0.4315, 0.4911,
0.0000

■ 81.2700, 86.2893,
74.0616

■ 0.0000, 0.0000,
0.0000

■ 105.4866,
111.9164, 98.0456

134.0910,

142.1731, 126.7180

167.4488,
177.4436, 160.4972

■ 13.2189, 14.1420,
9.8175

■ 13.2189, 14.1420,
9.8175

■ 12.5795, 13.4808,
7.7005

■ 13.9360, 14.8475,
12.3026

■ 12.0133, 12.8606,
5.9327

■ 14.7328, 15.5968,
15.1717

■ 11.5168, 12.2802,
4.4952

■ 15.6129, 16.3918,
18.4405

■ 11.0860, 11.7381,
3.3666

■ 16.5791, 17.2338,
22.1240

■ 10.7162, 11.2322,
2.5230

■ 17.6341, 18.1240,
26.2361

■ 10.4023, 10.7603,
1.9371

■ 18.7805, 19.0636,
30.7903

■ 10.1294, 10.3165,
1.5321

■ 20.0208, 20.0535,
35.7992

■ 10.0677, 10.2158,
1.4412

■ 21.3574, 21.0949,
41.2751

■ 22.7925, 22.1888,
47.2299

Harmonies

Analogous

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



14.3928, 14.1420, 10.2242



13.2189, 14.1420, 9.8175



12.1666, 14.1420, 10.7200

Triad

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



13.2189, 14.1420, 9.8175



11.6896, 14.1420, 19.4880



15.6064, 14.1420, 18.2172

Complementary

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



13.2189, 14.1420, 9.8175



9.8076, 9.8984, 16.7230

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.



14.8025, 14.1420, 21.2711



13.2189, 14.1420, 9.8175



12.5331, 14.1420, 22.0763

Square

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



13.2189, 14.1420, 9.8175



11.3173, 14.1420, 16.0484



13.6667, 14.1420, 22.7722



15.8163, 14.1420, 14.7659

Rectangle

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



13.2189, 14.1420, 9.8175



11.6612, 14.1420, 12.0328



13.6667, 14.1420, 22.7722



15.3945, 14.1420, 19.3391

Sweetspot

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



13.2193, 14.1426, 9.8178



25.8038, 27.3276, 26.3675



11.3958, 10.0382, 10.6204



6.1556, 6.5249, 6.1755



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.



13.2193, 14.1426, 9.8178



22.5120, 24.1170, 14.8720



12.9575, 15.1097, 10.0183



3.5811, 3.7948, 3.6171



11.6215, 11.7754, 1.6604



57.2251, 57.3253, 8.0488

Inverse Universe

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



9.8076, 9.8984, 16.7230



15.4936, 15.3875, 29.0833



10.0127, 9.1919, 16.5759



3.2731, 3.4114, 4.2402



3.7742, 2.1387, 17.9355



18.2487, 9.5492, 89.1605

Previews

White Background



This preview shows how the XYZ color 13.2189, 14.1420, 9.8175 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 13.2189, 14.1420, 9.8175 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

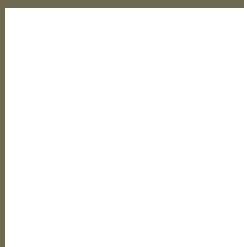
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2189, 14.1420, 9.8175

Background



This preview shows how black text looks on a background with the XYZ color 13.2189, 14.1420, 9.8175.

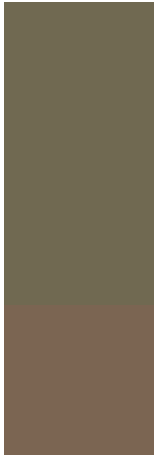


This preview shows how white text looks on a background with the XYZ color 13.2189, 14.1420,

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

13.2189, 14.1420, 9.8175

Protanopia

13.2189, 14.1420, 9.8175

Deuteranopia

14.3450, 14.1275, 9.9535



Tritanopia

14.4842, 14.0563, 16.4177

Trichromacy



Original Color

13.2189, 14.1420, 9.8175

Protanomaly

13.2189, 14.1420, 9.8175

Deuteranomaly

13.8821, 14.0339, 9.9598

Tritanomaly

13.9429, 13.9810, 13.7681

Monochromacy



Original Color

13.2189, 14.1420, 9.8175

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1250, 13.8710, 13.0519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2189, 14.1420, 9.8175 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, 105, 81)` looks like.

```
.text, #text, p{  
    color:rgb(112, 105, 81)  
}
```

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, 105, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 105, 81) }
```

Border

The CSS property to change the border of an element to XYZ 13.2189, 14.1420, 9.8175 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, 105, 81) }
```


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

```
.border{ border-color:rgb(112, 105, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 105, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 105, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 105, 81);  
box-shadow:4px 4px 4px 4px rgb(112, 105,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2189, 14.1420, 9.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 105, 81) }
```

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

```
.background{ background-color: rgb(112,  
105, 81) }
```

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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