

Converting Colors

XYZ(13.8496, 14.7003, 12.0715)

Have a look what the booklet for
XYZ(13.8496, 14.7003, 12.0715)
contains.

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Color

**XYZ(13.8281, 14.7155,
12.0091)**

Conversions

Conversions Part 1

Format	Color
Hex	706B5B
RGB	112, 107, 91
RGB Percent	44%, 42%, 36%
CMY	0.5608, 0.5804, 0.6431
CMYK	0.00, 0.04, 0.19, 0.56
HSL	46°, 10%, 40%
HSV	46°, 19%, 44%
XYZ	13.8281, 14.7155, 12.0091
YIQ	106.6710, 8.1160, -3.9160

Conversions

Conversions Part 2

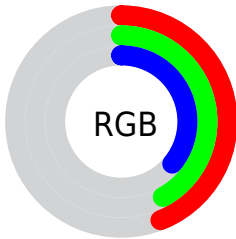
Format	Color
RYB	98, 112, 91
Decimal	7367515
CIELab	45.24, -1.00, 9.68
CIELCh	45, 9.728, 95.907
Yxy	14.7155, 0.3410, 0.3629
Android (android.graphics.Color)	4285557595 (0xFF706B5B)
YUV	106.6710, -7.7258, 4.6735
Hunter-Lab	38.3608, -2.7866, 8.2914

Details

The XYZ color **13.8281, 14.7155, 12.0091** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4218, 11.7594, 16.9970**, and the grayscale version is **13.9036, 14.6276, 15.9295**.

A 20% lighter version of the original color is **32.3444, 34.2693, 30.1092**, and **4.2039, 4.5112, 3.1318** is the 20% darker color. If you saturate the color by 10%, you get **13.1071, 13.9898, 9.5604**, and if you desaturate by 10%, it is **14.6306, 15.4885, 14.8412**.

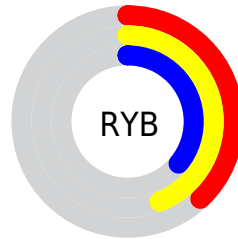
Distribution



Red (44%)

Green (42%)

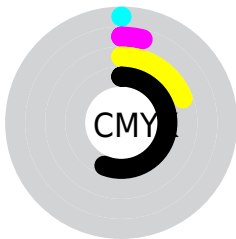
Blue (36%)



Red (38%)

Yellow (44%)

Blue (36%)

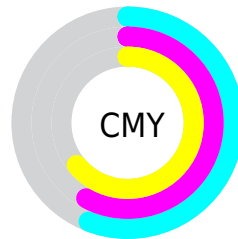


Cyan (0%)

Magenta (4%)

Yellow (19%)

Black (56%)



Cyan (56%)

Magenta (58%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8281, 14.7155, 12.0091 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 13.8281, 14.7155, 12.0091 by changing the saturation by 10% instead.

■ 13.8281, 14.7155,
12.0091

■ 13.8281, 14.7155,
12.0091

209.6909,
221.6377, 215.4456

■ 8.0821, 8.6200,
6.6273

■ 32.3725, 34.3533,
30.1763

■ 4.1998, 4.4941,
3.1552

■ 45.9017, 48.6644,
43.7988

■ 1.8158, 1.9536,
1.1744

■ 62.7559, 66.4827,
61.0052

■ 0.5271, 0.5803,
0.0000

■ 83.3006, 88.1928,
82.2141

■ 0.0000, 0.0000,
0.0000

107.9011,
114.1789, 107.8441

136.9227,

144.8255, 138.3136

170.7309,
180.5170, 174.0413

■ 13.8281, 14.7155,
12.0091

■ 13.8281, 14.7155,
12.0091

■ 13.1071, 13.9898,
9.5604

■ 14.6306, 15.4885,
14.8412

■ 12.4632, 13.3081,
7.4773

■ 15.5164, 16.3081,
18.0714

■ 11.8933, 12.6694,
5.7421

■ 16.4889, 17.1763,
21.7150

■ 11.3934, 12.0720,
4.3352

■ 17.5508, 18.0944,
25.7860

■ 10.9596, 11.5143,
3.2350

■ 18.7047, 19.0635,
30.2979

■ 10.5871, 10.9942,
2.4174

■ 19.9531, 20.0846,
35.2636

■ 10.2705, 10.5095,
1.8546

■ 21.2985, 21.1590,
40.6953

■ 9.9923, 10.0528,
1.4540

■ 22.7432, 22.2875,
46.6049

■ 9.9582, 9.9969,
1.4047

■ 24.2893, 23.4713,
53.0039

Harmonies

Analogous

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



14.6274, 14.7155, 12.3105



13.8281, 14.7155, 12.0091



13.0992, 14.7155, 12.6968

Triad

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



13.8281, 14.7155, 12.0091



12.7712, 14.7155, 18.7627



15.4462, 14.7155, 17.8993

Complementary

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



13.8281, 14.7155, 12.0091



11.4218, 11.7594, 16.9970

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.



14.9132, 14.7155, 19.8839



13.8281, 14.7155, 12.0091



13.3649, 14.7155, 20.4149

Square

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



13.8281, 14.7155, 12.0091



12.5043, 14.7155, 16.4828



14.1464, 14.7155, 20.8436



15.5818, 14.7155, 15.5712

Rectangle

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



13.8281, 14.7155, 12.0091



12.7448, 14.7155, 13.6664



14.1464, 14.7155, 20.8436



15.3066, 14.7155, 18.6353

Sweetspot

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



13.8285, 14.7162, 12.0094



26.0914, 27.5746, 27.4749



12.5461, 11.7762, 12.7387



6.2514, 6.6089, 6.5396



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.



13.8285, 14.7162, 12.0094



23.7919, 25.3550, 19.3731



13.7160, 15.4540, 12.1578



3.5779, 3.7883, 3.6160



11.4944, 11.5213, 1.6180



56.5699, 56.0150, 7.8304

Inverse Universe

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



11.4218, 11.7594, 16.9970



18.8312, 19.2610, 29.6550



11.5161, 11.1526, 16.8749



3.2761, 3.4175, 4.2412



3.8087, 2.2077, 17.9470



18.3992, 9.8503, 89.2107

Previews

White Background



This preview shows how the XYZ color 13.8281, 14.7155, 12.0091 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 13.8281, 14.7155, 12.0091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

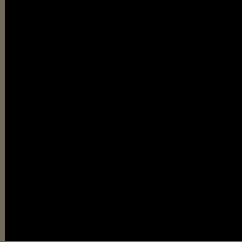
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8281, 14.7155, 12.0091

Background



This preview shows how black text looks on a background with the XYZ color 13.8281, 14.7155, 12.0091.



This preview shows how white text looks on a background with the XYZ color 13.8281, 14.7155,

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

13.8281, 14.7155, 12.0091

Protanopia

13.9561, 14.7814, 12.0151

Deuteranopia

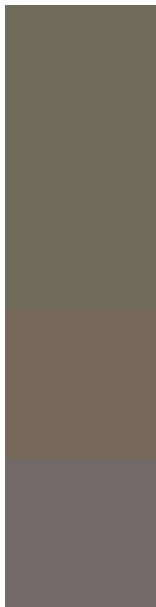
14.9504, 14.6842, 12.1716



Tritanopia

14.9452, 14.7153, 17.3819

Trichromacy



Original Color

13.8281, 14.7155, 12.0091

Protanomaly

13.9561, 14.7814, 12.0151

Deuteranomaly

14.4898, 14.5953, 12.1787

Tritanomaly

14.4897, 14.6800, 15.1665

Monochromacy



Original Color

13.8281, 14.7155, 12.0091

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.9133, 14.7062, 14.4172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8281, 14.7155, 12.0091 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, 107, 91)` looks like.

```
.text, #text, p{  
    color:rgb(112, 107, 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(112, 107, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 107, 91) }
```

Border

The CSS property to change the border of an element to XYZ 13.8281, 14.7155, 12.0091 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, 107, 91) }
```


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

```
.border{ border-color:rgb(112, 107, 91) }
```

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

Here you see how a box with a 4 pixel rgb(112, 107, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 107, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 107, 91);  
box-shadow:4px 4px 4px 4px rgb(112, 107,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8281, 14.7155, 12.0091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 107, 91) }
```

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

```
.background{ background-color: rgb(112,  
107, 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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