

Converting Colors

XYZ(12.4440, 14.2274, 8.8545)

Have a look what the booklet for
XYZ(12.4440, 14.2274, 8.8545)
contains.

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Color

**XYZ(12.4928, 14.2502,
8.9296)**

Conversions

Conversions Part 1

Format	Color
Hex	696C4C
RGB	105, 108, 76
RGB Percent	41%, 42%, 30%
CMY	0.5882, 0.5765, 0.7020
CMYK	0.03, 0.00, 0.30, 0.58
HSL	66°, 17%, 36%
HSV	66°, 30%, 42%
XYZ	12.4928, 14.2502, 8.9296
YIQ	103.4550, 8.4840, -10.5880

Conversions

Conversions Part 2

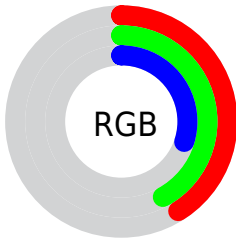
Format	Color
R_{YB}	76, 108, 79
Decimal	6909004
CIE Lab	44.59, -6.94, 17.57
CIE LCh	45, 18.893, 111.557
Yxy	14.2502, 0.3502, 0.3995
Android (android.graphics.Color)	4285099084 (0xFF696C4C)
YUV	103.4550, -13.5353, 1.3550
Hunter-Lab	37.7494, -6.9887, 12.3996

Details

The XYZ color **12.4928, 14.2502, 8.9296** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.5162, 7.9142, 15.2669**, and the grayscale version is **13.0464, 13.7258, 14.9474**.

A 20% lighter version of the original color is **30.0044, 33.4450, 24.2762**, and **3.6034, 4.3063, 1.9376** is the 20% darker color. If you saturate the color by 10%, you get **12.0303, 14.0520, 7.1098**, and if you desaturate by 10%, it is **13.0206, 14.4756, 11.0822**.

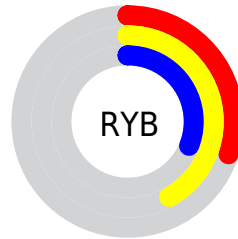
Distribution



Red (41%)

Green (42%)

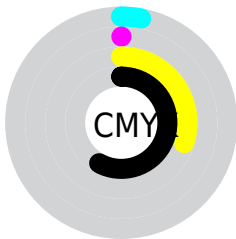
Blue (30%)



Red (30%)

Yellow (42%)

Blue (31%)

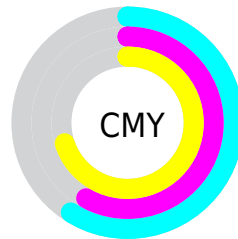


Cyan (3%)

Magenta (0%)

Yellow (30%)

Black (58%)



Cyan (59%)

Magenta (58%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4928, 14.2502, 8.9296 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 12.4928, 14.2502, 8.9296 by changing the saturation by 10% instead.

■ 12.4928, 14.2502,
8.9296

■ 12.4928, 14.2502,
8.9296

201.3450,
218.7818, 193.0505

■ 7.1548, 8.2949,
4.5991

■ 29.9986, 33.5323,
24.3372

■ 3.6063, 4.2842,
1.9594

■ 42.8972, 47.6279,
36.2515

■ 1.4819, 1.8338,
0.5302

■ 59.0467, 65.2057,
51.5307

■ 0.3135, 0.5081,
0.0000

■ 78.8124, 86.6501,
70.5934

■ 0.0000, 0.0000,
0.0000

■ 102.5597,
112.3456, 93.8583

130.6541,

142.6764, 121.7437

163.4607,
178.0270, 154.6683

■ 12.4928, 14.2502,
8.9296

■ 12.4928, 14.2502,
8.9296

■ 12.0303, 14.0520,
7.1098

■ 13.0206, 14.4756,
11.0822

■ 11.6287, 13.8779,
5.6053

■ 13.6154, 14.7275,
13.5820

■ 11.2850, 13.7271,
4.3985

■ 14.2803, 15.0077,
16.4439

■ 10.9955, 13.5981,
3.4694

■ 15.0181, 15.3171,
19.6815

■ 10.7559, 13.4892,
2.7958

■ 15.8310, 15.6568,
23.3077

■ 10.5614, 13.3985,
2.3522

■ 16.7216, 16.0277,
27.3348

■ 10.3921, 13.3181,
2.0344

■ 17.6919, 16.4306,
31.7746

■ 10.3859, 13.3152,
2.0227

■ 18.7442, 16.8665,
36.6384

■ 19.8805, 17.3362,
41.9370

Harmonies

Analogous

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



13.9806, 14.2502, 8.5897



12.4928, 14.2502, 8.9296



11.3701, 14.2502, 10.8485

Triad

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



12.4928, 14.2502, 8.9296



11.7978, 14.2502, 23.0877



16.6650, 14.2502, 16.7852

Complementary

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



12.4928, 14.2502, 8.9296



8.5162, 7.9142, 15.2669

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.



15.9796, 14.2502, 21.3607



12.4928, 14.2502, 8.9296



13.1174, 14.2502, 25.4217

Square

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



12.4928, 14.2502, 8.9296



10.9903, 14.2502, 18.8193



14.6534, 14.2502, 24.7364



16.4663, 14.2502, 12.6239

Rectangle

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



12.4928, 14.2502, 8.9296



10.9429, 14.2502, 13.0023



14.6534, 14.2502, 24.7364



16.5286, 14.2502, 18.3346

Sweetspot

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



12.4932, 14.2508, 8.9299



23.9449, 25.8727, 24.0257



10.2613, 9.2543, 8.0831



5.7652, 6.2494, 5.6854



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.



12.4932, 14.2508, 8.9299



21.3243, 24.7570, 13.2740



10.8195, 13.3880, 8.8516



3.3066, 3.5698, 3.3322



12.3753, 15.8749, 2.4119



62.6649, 80.6871, 12.2714

Inverse Universe

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



8.5162, 7.9142, 15.2669



13.0553, 11.5788, 26.4545



9.9764, 8.6670, 15.3352



2.9724, 3.0375, 3.8645



3.3666, 1.3626, 17.0078



16.8035, 6.7621, 86.6458

Previews

White Background



This preview shows how the XYZ color 12.4928, 14.2502, 8.9296 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 12.4928, 14.2502, 8.9296 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 12.4928, 14.2502, 8.9296

Background



This preview shows how black text looks on a background with the XYZ color 12.4928, 14.2502, 8.9296.



This preview shows how white text looks on a background with the XYZ color 12.4928, 14.2502,

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

12.4928, 14.2502, 8.9296

Protanopia

13.2610, 14.1886, 8.6963

Deuteranopia

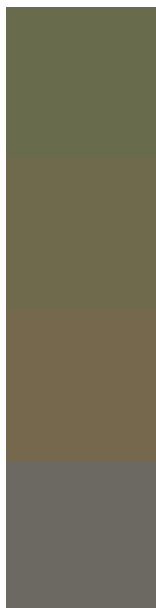
14.4507, 14.2032, 9.0010



Tritanopia

14.2053, 14.1853, 17.3186

Trichromacy



Original Color

12.4928, 14.2502, 8.9296

Protanomaly

12.9796, 14.1956, 8.7125

Deuteranomaly

13.7611, 14.2880, 9.0538

Tritanomaly

13.4880, 14.1921, 13.8328

Monochromacy



Original Color

12.4928, 14.2502, 8.9296

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7363, 13.8365, 12.3554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4928, 14.2502, 8.9296 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(105, 108, 76) looks like.

```
.text, #text, p{  
    color:rgb(105, 108, 76)  
}
```

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(105, 108, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 108, 76) }
```

Border

The CSS property to change the border of an element to XYZ 12.4928, 14.2502, 8.9296 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(105, 108, 76) }
```


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

```
.border{ border-color:rgb(105, 108, 76) }
```

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

Here you see how a box with a 4 pixel rgb(105, 108, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 108, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 108, 76);  
box-shadow:4px 4px 4px 4px rgb(105, 108,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4928, 14.2502, 8.9296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 108, 76) }
```

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

```
.background{ background-color: rgb(105,  
108, 76) }
```

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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