

Converting Colors

XYZ(14.2297, 14.7611, 12.0617)

Have a look what the booklet for
XYZ(14.2297, 14.7611, 12.0617)
contains.

XYZ(14.2448, 14.7764, 11.9989)	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(14.2448, 14.7764,
11.9989)**

Conversions

Conversions Part 1

Format	Color
Hex	746A5B
RGB	116, 106, 91
RGB Percent	45%, 42%, 36%
CMY	0.5451, 0.5843, 0.6431
CMYK	0.00, 0.09, 0.22, 0.55
HSL	36°, 12%, 41%
HSV	36°, 22%, 45%
XYZ	14.2448, 14.7764, 11.9989
YIQ	107.2800, 10.7750, -2.5450

Conversions

Conversions Part 2

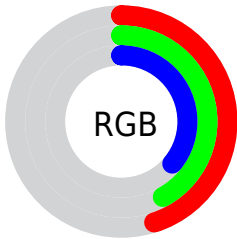
Format	Color
R_{YB}	108, 116, 91
Decimal	7629403
CIE Lab	45.33, 1.25, 9.85
CIE LCh	45, 9.928, 82.764
Yxy	14.7764, 0.3473, 0.3602
Android (android.graphics.Color)	4285819483 (0xFF746A5B)
YUV	107.2800, -8.0260, 7.6474
Hunter-Lab	38.4401, -1.1231, 8.4010

Details

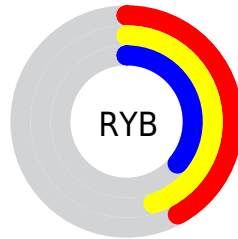
The XYZ color **14.2448, 14.7764, 11.9989** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1204, 12.7921, 18.3533**, and the grayscale version is **14.0727, 14.8056, 16.1232**.

A 20% lighter version of the original color is **33.0131, 34.3619, 30.0918**, and **4.4215, 4.5463, 3.1271** is the 20% darker color. If you saturate the color by 10%, you get **13.3175, 13.6616, 9.4089**, and if you desaturate by 10%, it is **15.2761, 15.9752, 15.0056**.

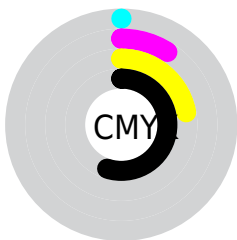
Distribution



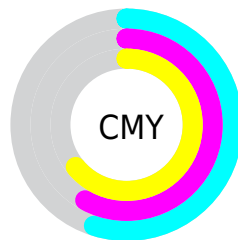
- Red (45%)
- Green (42%)
- Blue (36%)



- Red (42%)
- Yellow (45%)
- Blue (36%)



- Cyan (0%)
- Magenta (9%)
- Yellow (22%)
- Black (55%)



- Cyan (55%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2448, 14.7764, 11.9989 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 14.2448, 14.7764, 11.9989 by changing the saturation by 10% instead.

■ 14.2448, 14.7764,
11.9989

■ 14.2448, 14.7764,
11.9989

212.2287,
222.0088, 215.3757

■ 8.3740, 8.6626,
6.6204

■ 33.1054, 34.4604,
30.1575

■ 4.3890, 4.5218,
3.1510

■ 46.8259, 48.7995,
43.7746

■ 1.9245, 1.9695,
1.1723

■ 63.8936, 66.6491,
60.9751

■ 0.5910, 0.5897,
0.0000

■ 84.6740, 88.3936,
82.1773

■ 0.0000, 0.0000,
0.0000

109.5323,
114.4174, 107.8000

138.8340,

145.1050, 138.2616

172.9444,
180.8406, 173.9806

■ 14.2448, 14.7764,
11.9989

■ 14.2448, 14.7764,
11.9989

■ 13.3175, 13.6616,
9.4089

■ 15.2761, 15.9752,
15.0056

■ 12.4892, 12.6267,
7.2160

■ 16.4140, 17.2581,
18.4457

■ 11.7559, 11.6698,
5.4001

■ 17.6623, 18.6278,
22.3360

■ 11.1131, 10.7886,
3.9392

■ 19.0245, 20.0863,
26.6924

■ 10.5557, 9.9802,
2.8089

■ 20.5036, 21.6354,
31.5296

■ 10.0781, 9.2417,
1.9818

■ 22.1028, 23.2770,
36.8620

■ 9.6738, 8.5697,
1.4257

■ 23.8249, 25.0127,
42.7033

■ 9.3685, 8.0450,
1.0591

■ 25.6728, 26.8443,
49.0665

■ 27.6493, 28.7734,
55.9644

Harmonies

Analogous

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



15.0240, 14.7764, 12.7439



14.2448, 14.7764, 11.9989



13.4411, 14.7764, 12.2614

Triad

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



14.2448, 14.7764, 11.9989



12.6353, 14.7764, 17.9070



15.3424, 14.7764, 18.9901

Complementary

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



14.2448, 14.7764, 11.9989



12.1204, 12.7921, 18.3533

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.



14.6658, 14.7764, 20.6402



14.2448, 14.7764, 11.9989



13.1086, 14.7764, 19.9735

Square

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



14.2448, 14.7764, 11.9989



12.5325, 14.7764, 15.5248



13.8461, 14.7764, 21.0166



15.6736, 14.7764, 16.6666

Rectangle

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



14.2448, 14.7764, 11.9989



12.9973, 14.7764, 12.9859



13.8461, 14.7764, 21.0166



15.1466, 14.7764, 19.6508

Sweetspot

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



14.2452, 14.7771, 11.9992



27.9088, 29.2803, 29.5453



13.2926, 12.1349, 13.9538



6.6352, 6.9594, 6.9793



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



14.2452, 14.7771, 11.9992



24.1854, 24.9561, 18.6775



15.0084, 16.7901, 12.3475



3.8496, 4.0322, 3.9177



10.4952, 8.9917, 1.1824



50.2895, 42.1075, 5.4770

Inverse Universe

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



12.1204, 12.7921, 18.3533



19.7251, 20.7901, 32.0178



11.4586, 11.0967, 18.0610



3.6097, 3.8080, 4.6350



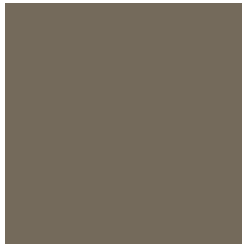
4.6338, 3.6073, 18.9946



21.7904, 15.9975, 92.2996

Previews

White Background



This preview shows how the XYZ color 14.2448, 14.7764, 11.9989 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 14.2448, 14.7764, 11.9989 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 14.2448, 14.7764, 11.9989

Background



This preview shows how black text looks on a background with the XYZ color 14.2448, 14.7764, 11.9989.



This preview shows how white text looks on a background with the XYZ color 14.2448, 14.7764,

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

14.2448, 14.7764, 11.9989

Protanopia

13.9995, 14.7988, 12.2438

Deuteranopia

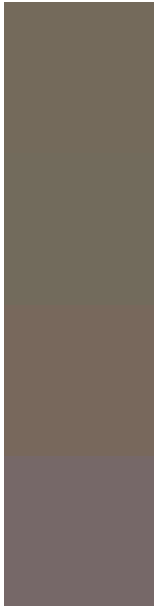
14.9504, 14.6842, 12.1716



Tritanopia

15.3272, 14.7701, 17.0820

Trichromacy



Original Color

14.2448, 14.7764, 11.9989

Protanomaly

14.1289, 14.8655, 12.2499

Deuteranomaly

14.6278, 14.6664, 12.1851

Tritanomaly

14.9202, 14.7517, 15.1577

Monochromacy



Original Color

14.2448, 14.7764, 11.9989

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.0371, 14.7700, 14.4230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2448, 14.7764, 11.9989 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(116, 106, 91)` looks like.

```
.text, #text, p{  
    color:rgb(116, 106, 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(116, 106, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 106, 91) }
```

Border

The CSS property to change the border of an element to XYZ 14.2448, 14.7764, 11.9989 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(116, 106, 91) }
```


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

```
.border{ border-color:rgb(116, 106, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 106, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 106, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 106, 91);  
box-shadow:4px 4px 4px 4px rgb(116, 106,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2448, 14.7764, 11.9989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 106, 91) }
```

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

```
.background{ background-color: rgb(116,  
106, 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](#).

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