

Converting Colors

XYZ(14.7188, 16.7276, 8.4142)

Have a look what the booklet for
XYZ(14.7188, 16.7276, 8.4142)
contains.

XYZ(14.7188, 16.7276, 8.4142)	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(14.7188, 16.7276,
8.4142)**

Conversions

Conversions Part 1

Format	Color
Hex	757447
RGB	117, 116, 71
RGB Percent	46%, 45%, 28%
CMY	0.5412, 0.5451, 0.7216
CMYK	0.00, 0.01, 0.39, 0.54
HSL	59°, 24%, 37%
HSV	59°, 39%, 46%
XYZ	14.7188, 16.7276, 8.4142
YIQ	111.1690, 15.0410, -13.7830

Conversions

Conversions Part 2

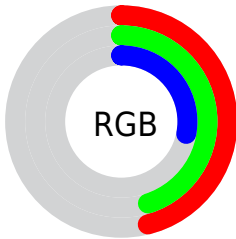
Format	Color
R_{YB}	72, 117, 71
Decimal	7697479
CIE Lab	47.91, -6.99, 25.01
CIE LCh	48, 25.969, 105.622
Yxy	16.7276, 0.3693, 0.4197
Android (android.graphics.Color)	4285887559 (0xFF757447)
YUV	111.1690, -19.8033, 5.1138
Hunter-Lab	40.8994, -7.3357, 16.4319

Details

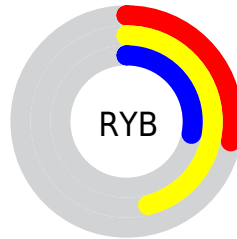
The XYZ color **14.7188, 16.7276, 8.4142** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1267, 7.2584, 17.8022**, and the grayscale version is **15.2115, 16.0037, 17.4280**.

A 20% lighter version of the original color is **33.9704, 37.9074, 23.2957**, and **4.6375, 5.4378, 1.7825** is the 20% darker color. If you saturate the color by 10%, you get **14.3499, 16.5340, 6.6138**, and if you desaturate by 10%, it is **15.1609, 16.9519, 10.5962**.

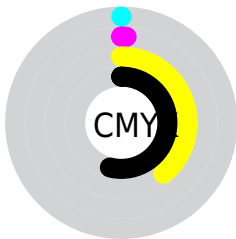
Distribution



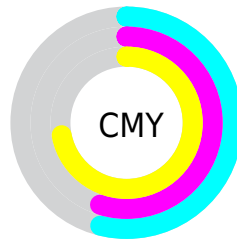
- Red (46%)
- Green (45%)
- Blue (28%)



- Red (28%)
- Yellow (46%)
- Blue (28%)



- Cyan (0%)
- Magenta (1%)
- Yellow (39%)
- Black (54%)



- Cyan (54%)
- Magenta (55%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7188, 16.7276, 8.4142 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 14.7188, 16.7276, 8.4142 by changing the saturation by 10% instead.

■ 14.7188, 16.7276,
8.4142

■ 14.7188, 16.7276,
8.4142

215.0801,
233.5977, 188.9999

■ 8.7073, 10.0405,
4.2696

■ 33.9348, 37.8568,
23.3260

■ 4.6063, 5.4258,
1.7744

■ 47.8701, 53.0677,
34.9302

■ 2.0506, 2.4992,
0.4110

■ 65.1773, 71.8886,
49.8580

■ 0.6621, 0.8762,
0.0000

■ 86.2218, 94.7040,
68.5279

■ 0.0000, 0.0000,
0.0000

■ 111.3690,
121.8982, 91.3585

140.9842,

153.8556, 118.7684

175.4328,
190.9606, 151.1760

■ 14.7188, 16.7276,
8.4142

■ 14.7188, 16.7276,
8.4142

■ 14.3499, 16.5340,
6.6138

■ 15.1609, 16.9519,
10.5962

■ 14.0489, 16.3670,
5.1720

■ 15.6789, 17.2060,
13.1790

■ 13.8115, 16.2256,
4.0651

■ 16.2766, 17.4922,
16.1817

■ 13.6326, 16.1077,
3.2658

■ 16.9576, 17.8117,
19.6219

■ 13.5062, 16.0110,
2.7427

■ 17.7248, 18.1660,
23.5161

■ 13.4123, 15.9274,
2.3904

■ 18.5813, 18.5560,
27.8801

■ 13.4060, 15.9217,
2.3666

■ 19.5299, 18.9831,
32.7289

■ 20.5734, 19.4482,
38.0767

■ 21.7144, 19.9524,
43.9373

Harmonies

Analogous

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



17.0419, 16.7276, 8.3710



14.7188, 16.7276, 8.4142



12.8972, 16.7276, 10.6106

Triad

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



14.7188, 16.7276, 8.4142



12.9573, 16.7276, 29.0541



20.6641, 16.7276, 21.6017

Complementary

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



14.7188, 16.7276, 8.4142



8.1267, 7.2584, 17.8022

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.



19.3340, 16.7276, 28.7850



14.7188, 16.7276, 8.4142



14.8086, 16.7276, 33.7507

Square

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



14.7188, 16.7276, 8.4142



11.9503, 16.7276, 21.9057



17.1408, 16.7276, 33.6416



20.6341, 16.7276, 14.9614

Rectangle

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



14.7188, 16.7276, 8.4142



12.1454, 16.7276, 13.3989



17.1408, 16.7276, 33.6416



20.3560, 16.7276, 24.0620

Sweetspot

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



14.7192, 16.7284, 8.4145



28.8110, 31.1639, 27.2857



10.7766, 8.7634, 7.3462



6.6005, 7.1538, 6.1548



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.



14.7192, 16.7284, 8.4145



25.7633, 29.6435, 12.1662



12.2736, 15.6390, 8.3332



3.9602, 4.2533, 3.9545



14.7690, 17.5393, 2.6070



71.8857, 85.2998, 12.6757

Inverse Universe

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



8.1267, 7.2584, 17.8022



12.2172, 10.1860, 31.4592



9.9246, 8.0904, 17.8681



3.5064, 3.6014, 4.6006



3.5665, 1.4726, 18.6388



17.2984, 7.0134, 90.8023

Previews

White Background



This preview shows how the XYZ color 14.7188, 16.7276, 8.4142 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 14.7188, 16.7276, 8.4142 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 14.7188, 16.7276, 8.4142

Background



This preview shows how black text looks on a background with the XYZ color 14.7188, 16.7276, 8.4142.



This preview shows how white text looks on a background with the XYZ color 14.7188, 16.7276,

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

14.7188, 16.7276, 8.4142

Protanopia

15.4350, 16.7619, 8.2162

Deuteranopia

16.9878, 16.7367, 8.6385



Tritanopia

16.9317, 16.6213, 19.7686

Trichromacy



Original Color

14.7188, 16.7276, 8.4142

Protanomaly

15.1214, 16.7686, 8.2340

Deuteranomaly

16.1698, 16.8020, 8.5218

Tritanomaly

15.9382, 16.5407, 14.9230

Monochromacy



Original Color

14.7188, 16.7276, 8.4142

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.8265, 16.1655, 13.4051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7188, 16.7276, 8.4142 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(117, 116, 71)` looks like.

```
.text, #text, p{  
    color:rgb(117, 116, 71)  
}
```

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(117, 116, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 116, 71) }
```

Border

The CSS property to change the border of an element to XYZ 14.7188, 16.7276, 8.4142 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(117, 116, 71) }
```


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

```
.border{ border-color:rgb(117, 116, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 116, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 116, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 116, 71);  
box-shadow:4px 4px 4px 4px rgb(117, 116,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7188, 16.7276, 8.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 116, 71) }
```

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

```
.background{ background-color: rgb(117,  
116, 71) }
```

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