

Converting Colors

XYZ(14.7788, 16.3669, 6.7044)

Have a look what the booklet for
XYZ(14.7788, 16.3669, 6.7044)
contains.

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Color

**XYZ(14.7468, 16.2741,
6.6389)**

Conversions

Conversions Part 1

Format	Color
Hex	7A713C
RGB	122, 113, 60
RGB Percent	48%, 44%, 24%
CMY	0.5216, 0.5568, 0.7647
CMYK	0.00, 0.07, 0.51, 0.52
HSL	51°, 34%, 36%
HSV	51°, 51%, 48%
XYZ	14.7468, 16.2741, 6.6389
YIQ	109.6490, 22.3770, -14.5750

Conversions

Conversions Part 2

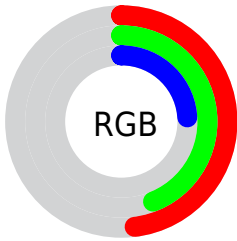
Format	Color
RYB	71, 122, 60
Decimal	8024380
CIELab	47.33, -4.31, 30.47
CIELCh	47, 30.778, 98.051
Yxy	16.2741, 0.3916, 0.4321
Android (android.graphics.Color)	4286214460 (0xFF7A713C)
YUV	109.6490, -24.4770, 10.8318
Hunter-Lab	40.3412, -5.3460, 18.4815

Details

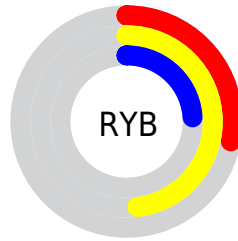
The XYZ color **14.7468, 16.2741, 6.6389** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.5044, 6.6218, 19.2950**, and the grayscale version is **14.7842, 15.5541, 16.9384**.

A 20% lighter version of the original color is **34.1199, 37.2445, 19.8586**, and **4.5681, 5.1519, 1.1691** is the 20% darker color. If you saturate the color by 10%, you get **14.2654, 15.7692, 5.0667**, and if you desaturate by 10%, it is **15.3073, 16.8180, 8.6048**.

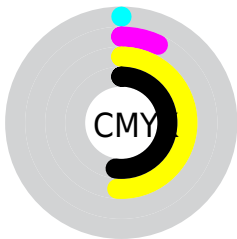
Distribution



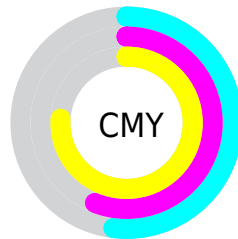
- Red (48%)
- Green (44%)
- Blue (24%)



- Red (28%)
- Yellow (48%)
- Blue (24%)



- Cyan (0%)
- Magenta (7%)
- Yellow (51%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7468, 16.2741, 6.6389 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 14.7468, 16.2741, 6.6389 by changing the saturation by 10% instead.

■ 14.7468, 16.2741,
6.6389

■ 14.7468, 16.2741,
6.6389

215.2474,
230.9537, 174.1441

■ 8.7270, 9.7183,
3.1623

■ 33.9837, 37.0734,
19.7433

■ 4.6192, 5.2126,
1.1781

■ 47.9315, 52.0857,
30.2083

■ 2.0581, 2.3725,
0.0000

■ 65.2528, 70.6857,
43.8398

■ 0.6663, 0.8117,
0.0000

■ 86.3128, 93.2576,
61.0563

■ 0.0000, 0.0000,
0.0000

■ 111.4769,
120.1860, 82.2765

■ 141.1104,

151.8553, 107.9188

175.5788,
188.6497, 138.4018

■ 14.7468, 16.2741,
6.6389

■ 14.7468, 16.2741,
6.6389

■ 14.2654, 15.7692,
5.0667

■ 15.3073, 16.8180,
8.6048

■ 13.8566, 15.2988,
3.8600

■ 15.9503, 17.4006,
10.9881

■ 13.5149, 14.8614,
2.9881

■ 16.6807, 18.0243,
13.8119

■ 13.2336, 14.4542,
2.4152

■ 17.5023, 18.6908,
17.0972

■ 13.0063, 14.0981,
2.0357

■ 18.4190, 19.4016,
20.8636

■ 19.4344, 20.1582,
25.1299

■ 20.5517, 20.9619,
29.9134

■ 21.7741, 21.8141,
35.2310

■ 23.1048, 22.7161,
41.0986

Harmonies

Analogous

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



17.5072, 16.2741, 7.1386



14.7468, 16.2741, 6.6389



12.4622, 16.2741, 8.3456

Triad

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



14.7468, 16.2741, 6.6389



11.7030, 16.2741, 28.6527



20.8460, 16.2741, 23.9313

Complementary

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



14.7468, 16.2741, 6.6389



7.5044, 6.6218, 19.2950

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.



18.9221, 16.2741, 32.3319



14.7468, 16.2741, 6.6389



13.5937, 16.2741, 35.5677

Square

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



14.7468, 16.2741, 6.6389



10.8444, 16.2741, 19.9022



16.2124, 16.2741, 37.0820



21.2483, 16.2741, 15.7029

Rectangle

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



14.7468, 16.2741, 6.6389



11.4398, 16.2741, 10.9146



16.2124, 16.2741, 37.0820



20.3457, 16.2741, 26.8902

Sweetspot

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



14.7472, 16.2749, 6.6392



30.1148, 32.3405, 27.3504



10.7255, 7.8028, 6.6201



6.8304, 7.3497, 6.0325



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.7472, 16.2749, 6.6392



24.9697, 27.6018, 8.5202



13.0640, 16.9718, 6.8625



4.2606, 4.5396, 4.2762



13.6890, 14.8338, 2.1417



64.8172, 69.7978, 10.0561

Inverse Universe

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



7.5044, 6.6218, 19.2950



10.7061, 8.6065, 33.4898



8.5825, 6.4174, 19.1987



3.8403, 3.9788, 5.0088



3.9169, 1.9163, 19.5487



18.2923, 8.3572, 93.1188

Previews

White Background



This preview shows how the XYZ color 14.7468, 16.2741, 6.6389 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 14.7468, 16.2741, 6.6389 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 14.7468, 16.2741, 6.6389

Background



This preview shows how black text looks on a background with the XYZ color 14.7468, 16.2741, 6.6389.



This preview shows how white text looks on a background with the XYZ color 14.7468, 16.2741,

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

14.7468, 16.2741, 6.6389

Protanopia

14.9220, 16.1997, 6.6153

Deuteranopia

16.4165, 16.1707, 6.6709



Tritanopia

17.1046, 16.2652, 18.4576

Trichromacy



Original Color

14.7468, 16.2741, 6.6389

Protanomaly

14.7782, 16.1255, 6.6086

Deuteranomaly

15.8267, 16.1797, 6.7037

Tritanomaly

15.9916, 16.1235, 13.0958

Monochromacy



Original Color

14.7468, 16.2741, 6.6389

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.5556, 15.7190, 12.3921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7468, 16.2741, 6.6389 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(122, 113, 60)` looks like.

```
.text, #text, p{  
    color:rgb(122, 113, 60)  
}
```

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(122, 113, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 113, 60) }
```

Border

The CSS property to change the border of an element to XYZ 14.7468, 16.2741, 6.6389 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(122, 113, 60) }
```


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

```
.border{ border-color:rgb(122, 113, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 113, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 113, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 113, 60);  
box-shadow:4px 4px 4px 4px rgb(122, 113,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7468, 16.2741, 6.6389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 113, 60) }
```

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

```
.background{ background-color: rgb(122,  
113, 60) }
```

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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