

Converting Colors

XYZ(13.3132, 13.6331, 7.6500)

Have a look what the booklet for
XYZ(13.3132, 13.6331, 7.6500)
contains.

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Color

**XYZ(13.3669, 13.6715,
7.7287)**

Conversions

Conversions Part 1

Format	Color
Hex	776546
RGB	119, 101, 70
RGB Percent	47%, 40%, 27%
CMY	0.5333, 0.6039, 0.7255
CMYK	0.00, 0.15, 0.41, 0.53
HSL	38°, 26%, 37%
HSV	38°, 41%, 47%
XYZ	13.3669, 13.6715, 7.7287
YIQ	102.8480, 20.6790, -5.8250

Conversions

Conversions Part 2

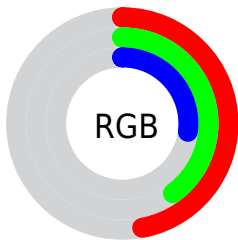
Format	Color
RYB	98, 119, 70
Decimal	7824710
CIELab	43.76, 2.44, 20.22
CIELCh	44, 20.368, 83.124
Yxy	13.6715, 0.3845, 0.3932
Android (android.graphics.Color)	4286014790 (0xFF776546)
YUV	102.8480, -16.1941, 14.1653
Hunter-Lab	36.9750, -0.1764, 13.4894

Details

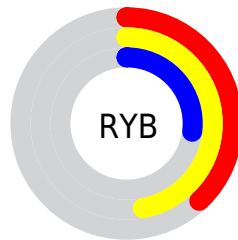
The XYZ color **13.3669, 13.6715, 7.7287** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3451, 9.6131, 18.8156**, and the grayscale version is **12.8898, 13.5611, 14.7680**.

A 20% lighter version of the original color is **31.5713, 32.5590, 22.0733**, and **3.9599, 3.9781, 1.5364** is the 20% darker color. If you saturate the color by 10%, you get **12.6148, 12.7101, 5.8049**, and if you desaturate by 10%, it is **14.2167, 14.7091, 10.0528**.

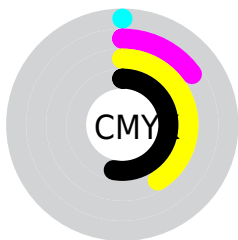
Distribution



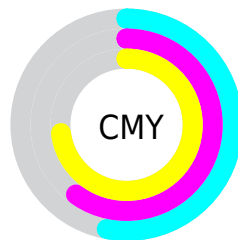
- Red (47%)
- Green (40%)
- Blue (27%)



- Red (38%)
- Yellow (47%)
- Blue (27%)



- Cyan (0%)
- Magenta (15%)
- Yellow (41%)
- Black (53%)





- Cyan (53%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3669, 13.6715, 7.7287 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 13.3669, 13.6715, 7.7287 by changing the saturation by 10% instead.


 13.3669, 13.6715,
7.7287


 13.3669, 13.6715,
7.7287

206.8463,
215.1775, 183.4427


 7.7604, 7.8925,
3.8366


 31.5571, 32.5050,
21.9622


 3.9925, 4.0263,
1.5361


 44.8716, 46.3284,
33.1406

 1.6979, 1.6883,
0.2446

 61.4860, 63.6019,
47.5849

 0.4550, 0.4160,
0.0000

 81.7659, 84.7102,
65.7135

 0.0000, 0.0000,
0.0000

 106.0765,
110.0375, 87.9451

134.7832,

139.9682, 114.6981

168.2513,
174.8867, 146.3911

■ 13.3669, 13.6715,
7.7287

■ 13.3669, 13.6715,
7.7287

■ 12.6148, 12.7101,
5.8049

■ 14.2167, 14.7091,
10.0528

■ 11.9547, 11.8205,
4.2571

■ 15.1676, 15.8233,
12.7977

■ 11.3816, 11.0008,
3.0597

■ 16.2240, 17.0170,
15.9838

■ 10.8897, 10.2479,
2.1836

■ 17.3899, 18.2921,
19.6296

■ 10.4721, 9.5586,
1.5947

■ 18.6687, 19.6506,
23.7529

■ 10.1437, 8.9939,
1.2014

■ 20.0641, 21.0945,
28.3701

■ 21.5792, 22.6255,
33.4972

■ 23.2173, 24.2453,
39.1494

■ 24.9813, 25.9558,
45.3410

Harmonies

Analogous

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



14.9334, 13.6715, 8.8816



13.3669, 13.6715, 7.7287



11.8209, 13.6715, 8.1534

Triad

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



13.3669, 13.6715, 7.7287



10.3605, 13.6715, 18.6293



15.6196, 13.6715, 20.8371

Complementary

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



13.3669, 13.6715, 7.7287



9.3451, 9.6131, 18.8156

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.



14.2430, 13.6715, 24.5707



13.3669, 13.6715, 7.7287



11.2309, 13.6715, 23.1239

Square

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



13.3669, 13.6715, 7.7287



10.1679, 13.6715, 13.8538



12.6288, 13.6715, 25.4838



16.3014, 13.6715, 15.9681

Rectangle

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



13.3669, 13.6715, 7.7287



10.9990, 13.6715, 9.3273



12.6288, 13.6715, 25.4838



15.2176, 13.6715, 22.3041

Sweetspot

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



13.3672, 13.6721, 7.7290



28.8296, 30.2242, 27.9377



11.5920, 9.0200, 10.5337



6.7866, 7.1117, 6.4811



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.



13.3672, 13.6721, 7.7290



22.7081, 22.9152, 10.6866



14.5489, 17.1653, 8.3410



3.8590, 4.0509, 3.9208



10.7679, 9.5370, 1.2733



51.6351, 44.7988, 5.9256

Inverse Universe

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



9.3451, 9.6131, 18.8156



14.5063, 14.6448, 33.3152



8.4781, 7.2373, 18.4028



3.6006, 3.7898, 4.6320



4.4744, 3.2885, 18.9415



21.0481, 14.5128, 92.0522

Previews

White Background



This preview shows how the XYZ color 13.3669, 13.6715, 7.7287 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 13.3669, 13.6715, 7.7287 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 13.3669, 13.6715, 7.7287

Background



This preview shows how black text looks on a background with the XYZ color 13.3669, 13.6715, 7.7287.



This preview shows how white text looks on a background with the XYZ color 13.3669, 13.6715,

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

13.3669, 13.6715, 7.7287

Protanopia

12.6697, 13.6002, 7.9186

Deuteranopia

13.8795, 13.6510, 7.6977



Tritanopia

14.7994, 13.6864, 14.9584

Trichromacy



Original Color

13.3669, 13.6715, 7.7287

Protanomaly

12.9589, 13.6025, 7.9038

Deuteranomaly

13.6887, 13.6941, 7.7161

Tritanomaly

14.1846, 13.5730, 11.9975

Monochromacy



Original Color

13.3669, 13.6715, 7.7287

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9464, 13.5093, 11.8227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3669, 13.6715, 7.7287 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(119, 101, 70)` looks like.

```
.text, #text, p{  
    color:rgb(119, 101, 70)  
}
```

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(119, 101, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 101, 70) }
```

Border

The CSS property to change the border of an element to XYZ 13.3669, 13.6715, 7.7287 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(119, 101, 70) }
```


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

```
.border{ border-color:rgb(119, 101, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 101, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 101, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 101, 70);  
box-shadow:4px 4px 4px 4px rgb(119, 101,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3669, 13.6715, 7.7287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 101, 70) }
```

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

```
.background{ background-color: rgb(119,  
101, 70) }
```

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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