

Converting Colors

XYZ(12.8629, 12.4586, 11.3777)

Have a look what the booklet for
XYZ(12.8629, 12.4586, 11.3777)
contains.

XYZ(12.8771, 12.5000, 11.4069)	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(12.8771, 12.5000,
11.4069)**

Conversions

Conversions Part 1

Format	Color
Hex	725F5A
RGB	114, 95, 90
RGB Percent	45%, 37%, 35%
CMY	0.5529, 0.6274, 0.6471
CMYK	0.00, 0.17, 0.21, 0.55
HSL	13°, 12%, 40%
HSV	13°, 21%, 45%
XYZ	12.8771, 12.5000, 11.4069
YIQ	100.1110, 12.9290, 2.4730

Conversions

Conversions Part 2

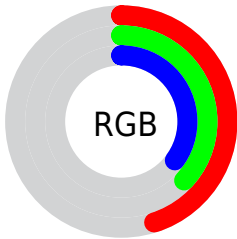
Format	Color
R_{YB}	114, 96, 90
Decimal	7495514
CIE _{Lab}	42.00, 6.80, 5.72
CIE _{LCh}	42, 8.885, 40.052
Yxy	12.5000, 0.3501, 0.3398
Android (android.graphics.Color)	4285685594 (0xFF725F5A)
YUV	100.1110, -4.9847, 12.1807
Hunter-Lab	35.3553, 3.1413, 5.6197

Details

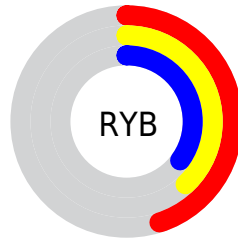
The XYZ color **12.8771, 12.5000, 11.4069** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7223, 14.3255, 18.0143**, and the grayscale version is **12.1517, 12.7845, 13.9224**.

A 20% lighter version of the original color is **30.5849, 30.2512, 29.0380**, and **3.7997, 3.5367, 2.8653** is the 20% darker color. If you saturate the color by 10%, you get **11.6624, 10.7884, 8.7888**, and if you desaturate by 10%, it is **14.2611, 14.4309, 14.4489**.

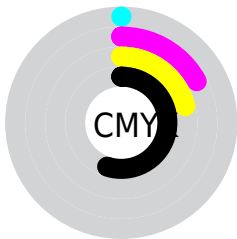
Distribution



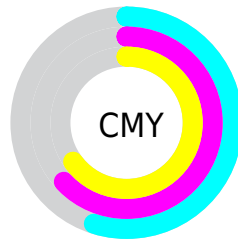
- Red (45%)
- Green (37%)
- Blue (35%)



- Red (45%)
- Yellow (38%)
- Blue (35%)



- Cyan (0%)
- Magenta (17%)
- Yellow (21%)
- Black (55%)



- Cyan (55%)
- Magenta (63%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8771, 12.5000, 11.4069 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 12.8771, 12.5000, 11.4069 by changing the saturation by 10% instead.

■ 12.8771, 12.5000,
11.4069

■ 12.8771, 12.5000,
11.4069

203.7821,
207.6879, 211.2749

■ 7.4204, 7.0852,
6.2236

■ 30.6860, 30.4025,
29.0582

■ 3.7750, 3.5154,
2.9105

■ 43.7689, 43.6590,
42.3634

■ 1.5757, 1.4064,
1.0491

■ 60.1246, 60.2982,
59.2129

■ 0.3765, 0.2214,
0.0000

■ 80.1184, 80.7044,
80.0253

■ 0.0000, 0.0000,
0.0000

104.1157,
105.2621, 105.2192

132.4818,

134.3557, 135.2130

165.5822,
168.3694, 170.4254

■ 12.8771, 12.5000,
11.4069

■ 12.8771, 12.5000,
11.4069

■ 11.6624, 10.7884,
8.7888

■ 14.2611, 14.4309,
14.4489

■ 10.6094, 9.2865,
6.5751

■ 15.8197, 16.5868,
17.9318

■ 9.7114, 7.9869,
4.7456

■ 17.5590, 18.9752,
21.8726

■ 8.9609, 6.8807,
3.2784

■ 19.4847, 21.6028,
26.2869

■ 8.3496, 5.9585,
2.1489

■ 21.6020, 24.4761,
31.1899

■ 7.8685, 5.2100,
1.3299

■ 23.9163, 27.6012,
36.5960

■ 7.5074, 4.6239,
0.7897

■ 26.4324, 30.9842,
42.5190

■ 7.2612, 4.2209,
0.4320

■ 29.1550, 34.6307,
48.9720

■ 32.0889, 38.5464,
55.9680

Harmonies

Analogous

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



13.1723, 12.5000, 12.9869



12.8771, 12.5000, 11.4069



12.3183, 12.5000, 10.4772

Triad

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



12.8771, 12.5000, 11.4069



10.7295, 12.5000, 12.4099



12.1033, 12.5000, 17.5040

Complementary

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



12.8771, 12.5000, 11.4069



12.7223, 14.3255, 18.0143

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.



11.4539, 12.5000, 17.3132



12.8771, 12.5000, 11.4069



10.6768, 12.5000, 14.2534

Square

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



12.8771, 12.5000, 11.4069



11.0843, 12.5000, 11.0181



10.9374, 12.5000, 16.0808



12.7148, 12.5000, 16.5804

Rectangle

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



12.8771, 12.5000, 11.4069



11.8797, 12.5000, 10.2954



10.9374, 12.5000, 16.0808



11.8820, 12.5000, 17.5700

Sweetspot

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



12.8774, 12.5006, 11.4072



26.3633, 27.1645, 28.2898



13.3668, 11.9983, 16.1360



6.0683, 6.2426, 6.4785



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.8774, 12.5006, 11.4072



21.6128, 20.5387, 17.8425



14.0219, 14.7895, 11.7886



3.4357, 3.5039, 3.5686



8.0721, 4.6768, 0.4773



39.6895, 22.2542, 2.2036

Inverse Universe

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



12.7223, 14.3255, 18.0143



21.2899, 24.3223, 31.5481



11.5471, 11.9751, 17.6225



3.4188, 3.7029, 4.2888



7.4616, 9.5135, 19.1646



36.5365, 46.1248, 95.2564

Previews

White Background



This preview shows how the XYZ color 12.8771, 12.5000, 11.4069 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 12.8771, 12.5000, 11.4069 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 12.8771, 12.5000, 11.4069

Background



This preview shows how black text looks on a background with the XYZ color 12.8771, 12.5000, 11.4069.

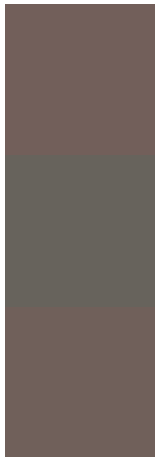


This preview shows how white text looks on a background with the XYZ color 12.8771, 12.5000,

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

12.8771, 12.5000, 11.4069

Protanopia

11.9871, 12.5800, 11.9216

Deuteranopia

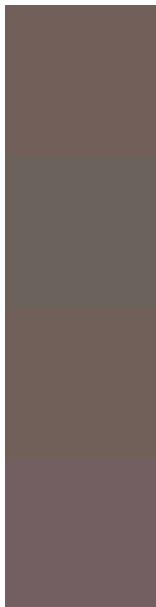
12.7104, 12.5487, 11.4251



Tritanopia

13.3335, 12.4131, 14.0051

Trichromacy



Original Color

12.8771, 12.5000, 11.4069

Protanomaly

12.3194, 12.6165, 11.6835

Deuteranomaly

12.8384, 12.6146, 11.4311

Tritanomaly

13.2306, 12.5133, 13.0272

Monochromacy



Original Color

12.8771, 12.5000, 11.4069

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3047, 12.5832, 12.8466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8771, 12.5000, 11.4069 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(114, 95, 90)` looks like.

```
.text, #text, p{  
    color:rgb(114, 95, 90)  
}
```

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(114, 95, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 95, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.8771, 12.5000, 11.4069 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(114, 95, 90) }
```


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

```
.border{ border-color:rgb(114, 95, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 95, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 95, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 95, 90);  
box-shadow:4px 4px 4px 4px rgb(114, 95,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8771, 12.5000, 11.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 95, 90) }
```

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

```
.background{ background-color: rgb(114, 95,  
90) }
```

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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