

Converting Colors

XYZ(12.8619, 12.8788, 6.2233)

Have a look what the booklet for
XYZ(12.8619, 12.8788, 6.2233)
contains.

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Color

**XYZ(12.8627, 12.8794,
6.2229)**

Conversions

Conversions Part 1

Format	Color
Hex	78613D
RGB	120, 97, 61
RGB Percent	47%, 38%, 24%
CMY	0.5294, 0.6196, 0.7608
CMYK	0.00, 0.19, 0.49, 0.53
HSL	37°, 33%, 35%
HSV	37°, 49%, 47%
XYZ	12.8627, 12.8794, 6.2229
YIQ	99.7730, 25.2640, -6.3200

Conversions

Conversions Part 2

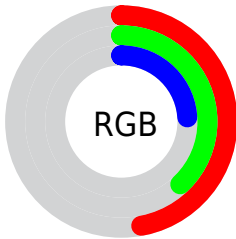
Format	Color
RYB	99, 120, 61
Decimal	7889213
CIELab	42.58, 4.20, 23.96
CIELCh	43, 24.329, 80.057
Yxy	12.8794, 0.4024, 0.4029
Android (android.graphics.Color)	4286079293 (0xFF78613D)
YUV	99.7730, -19.1151, 17.7391
Hunter-Lab	35.8879, 1.1730, 14.8407

Details

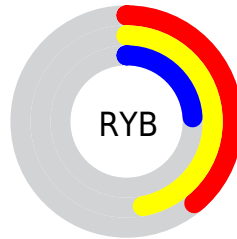
The XYZ color **12.8627, 12.8794, 6.2229** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.4848, 8.6884, 18.9990**, and the grayscale version is **12.0982, 12.7282, 13.8610**.

A 20% lighter version of the original color is **30.6496, 30.9702, 18.8304**, and **3.7392, 3.6733, 1.0423** is the 20% darker color. If you saturate the color by 10%, you get **12.1555, 11.9257, 4.5671**, and if you desaturate by 10%, it is **13.6684, 13.9142, 8.2688**.

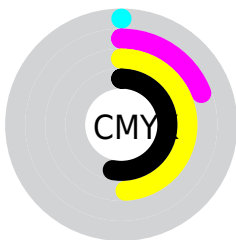
Distribution



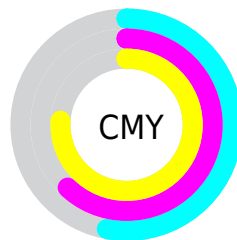
- Red (47%)
- Green (38%)
- Blue (24%)



- Red (39%)
- Yellow (47%)
- Blue (24%)



- Cyan (0%)
- Magenta (19%)
- Yellow (49%)
- Black (53%)





- Cyan (53%)
- Magenta (62%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8627, 12.8794, 6.2229 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 12.8627, 12.8794, 6.2229 by changing the saturation by 10% instead.


 12.8627, 12.8794,
6.2229


 12.8627, 12.8794,
6.2229


203.6913,
210.1433, 170.4189


 7.4104, 7.3456,
2.9101


 30.6603, 31.0870,
18.8774


 3.7687, 3.6791,
1.0489

 43.7364, 44.5294,
29.0562

 1.5721, 1.4957,
0.0000

 60.0844, 61.3769,
42.3608

 0.3741, 0.2857,
0.0000

 80.0697, 82.0138,
59.2097

 0.0000, 0.0000,
0.0000

 104.0577,
106.8245, 80.0214

 132.4137,

136.1934, 105.2144

165.5031,
170.5049, 135.2074

■ 12.8627, 12.8794,
6.2229

■ 12.8627, 12.8794,
6.2229

■ 12.1555, 11.9257,
4.5671

■ 13.6684, 13.9142,
8.2688

■ 11.5406, 11.0486,
3.2747

■ 14.5764, 15.0309,
10.7275

■ 11.0122, 10.2454,
2.3169

■ 15.5917, 16.2327,
13.6209

■ 10.5637, 9.5128,
1.6602

■ 16.7183, 17.5218,
16.9691

■ 10.1745, 8.8418,
1.1991

■ 17.9603, 18.9004,
20.7909

■ 10.1432, 8.7880,
1.1617

■ 19.3215, 20.3707,
25.1042

■ 20.8052, 21.9347,
29.9256

■ 22.4150, 23.5943,
35.2713

■ 24.1541, 25.3515,
41.1567

Harmonies

Analogous

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



14.6567, 12.8794, 7.6007



12.8627, 12.8794, 6.2229



11.0677, 12.8794, 6.4958

Triad

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



12.8627, 12.8794, 6.2229



9.2094, 12.8794, 17.7938



15.1596, 12.8794, 21.5876

Complementary

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



12.8627, 12.8794, 6.2229



8.4848, 8.6884, 18.9990

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.



13.4955, 12.8794, 25.8589



12.8627, 12.8794, 6.2229



10.1074, 12.8794, 23.3158

Square

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



12.8627, 12.8794, 6.2229



9.0765, 12.8794, 12.3454



11.6406, 12.8794, 26.5604



16.0679, 12.8794, 15.8471

Rectangle

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



12.8627, 12.8794, 6.2229



10.1027, 12.8794, 7.6092



11.6406, 12.8794, 26.5604



14.6627, 12.8794, 23.2978

Sweetspot

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



12.8630, 12.8800, 6.2232



28.1524, 29.3935, 26.0976



11.0383, 7.9802, 9.4699



6.5934, 6.8756, 5.9535



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.



12.8630, 12.8800, 6.2232



21.2323, 20.7705, 7.7071



14.5111, 17.3539, 6.9998



4.1828, 4.3840, 4.2502



11.0517, 9.5593, 1.2626



51.8722, 43.9079, 5.7411

Inverse Universe

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



8.4848, 8.6884, 18.9990



12.5763, 12.4952, 33.0020



7.3669, 5.8834, 18.5165



3.9139, 4.1261, 5.0333



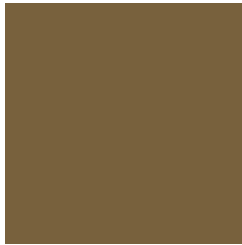
4.7844, 3.6512, 19.8379



22.0471, 15.8669, 94.3704

Previews

White Background



This preview shows how the XYZ color 12.8627, 12.8794, 6.2229 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 12.8627, 12.8794, 6.2229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

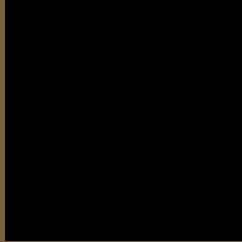
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8627, 12.8794, 6.2229

Background



This preview shows how black text looks on a background with the XYZ color 12.8627, 12.8794, 6.2229.



This preview shows how white text looks on a background with the XYZ color 12.8627, 12.8794,

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

12.8627, 12.8794, 6.2229

Protanopia

11.9536, 12.9702, 6.4309

Deuteranopia

13.0512, 12.8402, 6.2054



Tritanopia

14.3915, 12.8402, 13.5243

Trichromacy



Original Color

12.8627, 12.8794, 6.2229

Protanomaly

12.3661, 13.0396, 6.4225

Deuteranomaly

12.9103, 12.7676, 6.1988

Tritanomaly

13.8108, 12.8722, 10.3510

Monochromacy



Original Color

12.8627, 12.8794, 6.2229

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2050, 12.7214, 10.6163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8627, 12.8794, 6.2229 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(120, 97, 61)` looks like.

```
.text, #text, p{  
    color:rgb(120, 97, 61)  
}
```

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(120, 97, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 97, 61) }
```

Border

The CSS property to change the border of an element to XYZ 12.8627, 12.8794, 6.2229 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(120, 97, 61) }
```


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

```
.border{ border-color:rgb(120, 97, 61) }
```

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

Here you see how a box with a 4 pixel rgb(120, 97, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 97, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 97, 61);  
box-shadow:4px 4px 4px 4px rgb(120, 97,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8627, 12.8794, 6.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 97, 61) }
```

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

```
.background{ background-color: rgb(120, 97,  
61) }
```

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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