

Converting Colors

XYZ(12.8329, 13.0645, 6.0701)

Have a look what the booklet for
XYZ(12.8329, 13.0645, 6.0701)
contains.

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Color

**XYZ(12.7910, 12.9835,
6.1069)**

Conversions

Conversions Part 1

Format	Color
Hex	77623C
RGB	119, 98, 60
RGB Percent	47%, 38%, 24%
CMY	0.5333, 0.6157, 0.7647
CMYK	0.00, 0.18, 0.50, 0.53
HSL	39°, 33%, 35%
HSV	39°, 50%, 47%
XYZ	12.7910, 12.9835, 6.1069
YIQ	99.9470, 24.7140, -7.3660

Conversions

Conversions Part 2

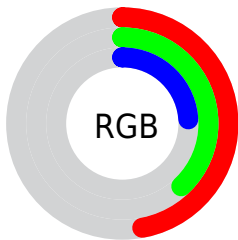
Format	Color
RYB	93, 119, 60
Decimal	7823932
CIELab	42.74, 3.04, 24.72
CIElCh	43, 24.903, 82.977
Yxy	12.9835, 0.4012, 0.4072
Android (android.graphics.Color)	4286014012 (0xFF77623C)
YUV	99.9470, -19.6939, 16.7095
Hunter-Lab	36.0326, 0.3075, 15.1742

Details

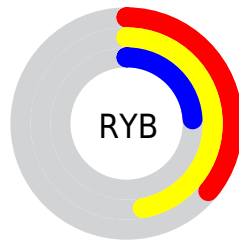
The XYZ color **12.7910, 12.9835, 6.1069** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1356, 8.1771, 18.6022**, and the grayscale version is **12.1440, 12.7765, 13.9136**.

A 20% lighter version of the original color is **30.6878, 31.4618, 18.6427**, and **3.7758, 3.7586, 1.0167** is the 20% darker color. If you saturate the color by 10%, you get **12.1254, 12.1004, 4.5038**, and if you desaturate by 10%, it is **13.5490, 13.9381, 8.0902**.

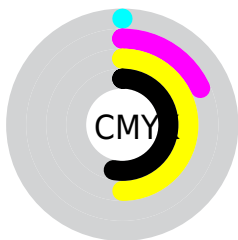
Distribution



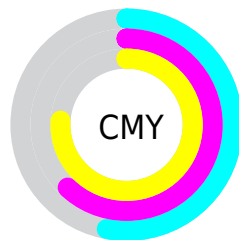
- Red (47%)
- Green (38%)
- Blue (24%)



- Red (36%)
- Yellow (47%)
- Blue (24%)



- Cyan (0%)
- Magenta (18%)
- Yellow (50%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7910, 12.9835, 6.1069 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 12.7910, 12.9835, 6.1069 by changing the saturation by 10% instead.

■ 12.7910, 12.9835,
6.1069

■ 12.7910, 12.9835,
6.1069

203.2386,
210.8119, 169.3606

■ 7.3608, 7.4172,
2.8404

■ 30.5323, 31.2741,
18.6339

■ 3.7371, 3.7243,
1.0137

■ 43.5741, 44.7673,
28.7314

■ 1.5545, 1.5206,
0.0000

■ 59.8839, 61.6714,
41.9429

■ 0.3625, 0.3032,
0.0000

■ 79.8269, 82.3710,
58.6871

■ 0.0000, 0.0000,
0.0000

■ 103.7685,
107.2505, 79.3824

■ 132.0741,

136.6942, 104.4474

165.1090,
171.0865, 134.3006

■ 12.7910, 12.9835,
6.1069

■ 12.7910, 12.9835,
6.1069

■ 12.1254, 12.1004,
4.5038

■ 13.5490, 13.9381,
8.0902

■ 11.5461, 11.2843,
3.2548

■ 14.4031, 14.9647,
10.4761

■ 11.0477, 10.5332,
2.3315

■ 15.3579, 16.0662,
13.2860

■ 10.6237, 9.8437,
1.7009

■ 16.4175, 17.2446,
16.5396

■ 10.2523, 9.2067,
1.2511

■ 17.5857, 18.5020,
20.2554

■ 10.2371, 9.1808,
1.2325

■ 18.8660, 19.8401,
24.4507

■ 20.2618, 21.2609,
29.1422

■ 21.7764, 22.7661,
34.3455

■ 23.4129, 24.3573,
40.0756

Harmonies

Analogous

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



14.6655, 12.9835, 7.3382



12.7910, 12.9835, 6.1069



10.9728, 12.9835, 6.5451

Triad

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



12.7910, 12.9835, 6.1069



9.2823, 12.9835, 18.6112



15.4820, 12.9835, 21.3919

Complementary

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



12.7910, 12.9835, 6.1069



8.1356, 8.1771, 18.6022

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.



13.8172, 12.9835, 26.0758



12.7910, 12.9835, 6.1069



10.2751, 12.9835, 24.2048

Square

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



12.7910, 12.9835, 6.1069



9.0677, 12.9835, 12.8998



11.9006, 12.9835, 27.2190



16.3188, 12.9835, 15.4506

Rectangle

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



12.7910, 12.9835, 6.1069



10.0208, 12.9835, 7.7973



11.9006, 12.9835, 27.2190



14.9930, 12.9835, 23.2217

Sweetspot

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



12.7913, 12.9841, 6.1072



28.2752, 29.6391, 26.1386



10.7327, 7.7574, 8.8415



6.6254, 6.9397, 5.9642



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.



12.7913, 12.9841, 6.1072



21.6116, 21.5291, 7.8335



13.9847, 16.9080, 6.8016



3.8622, 4.0574, 3.9219



10.8672, 9.7357, 1.3064



52.1272, 45.7829, 6.0896

Inverse Universe

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



8.1356, 8.1771, 18.6022



12.2853, 11.9132, 32.9050



7.3204, 5.7880, 18.1840



3.5974, 3.7835, 4.6309



4.4221, 3.1838, 18.9240



20.8066, 14.0299, 91.9717

Previews

White Background



This preview shows how the XYZ color 12.7910, 12.9835, 6.1069 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 12.7910, 12.9835, 6.1069 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

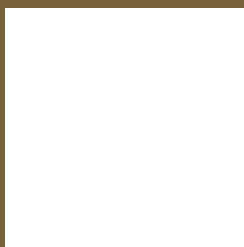
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7910, 12.9835, 6.1069

Background



This preview shows how black text looks on a background with the XYZ color 12.7910, 12.9835, 6.1069.



This preview shows how white text looks on a background with the XYZ color 12.7910, 12.9835,

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

12.7910, 12.9835, 6.1069

Protanopia

11.9264, 12.9593, 6.2877

Deuteranopia

13.1669, 12.9029, 6.0715



Tritanopia

14.3830, 12.9598, 13.8000

Trichromacy



Original Color

12.7910, 12.9835, 6.1069

Protanomaly

12.2095, 12.9620, 6.2733

Deuteranomaly

13.1163, 13.0132, 6.0955

Tritanomaly

13.7579, 12.9779, 10.3742

Monochromacy



Original Color

12.7910, 12.9835, 6.1069

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1649, 12.7054, 10.4055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7910, 12.9835, 6.1069 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, 98, 60)` looks like.

```
.text, #text, p{  
    color:rgb(119, 98, 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(119, 98, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 98, 60) }
```

Border

The CSS property to change the border of an element to XYZ 12.7910, 12.9835, 6.1069 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, 98, 60) }
```


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

```
.border{ border-color:rgb(119, 98, 60) }
```

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

Here you see how a box with a 4 pixel rgb(119, 98, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 98, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 98, 60);  
box-shadow:4px 4px 4px 4px rgb(119, 98,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7910, 12.9835, 6.1069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 98, 60) }
```

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

```
.background{ background-color: rgb(119, 98,  
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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