

Converting Colors

XYZ(12.9386, 12.6008, 2.3162)

Have a look what the booklet for
XYZ(12.9386, 12.6008, 2.3162)
contains.

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Color

**XYZ(12.8643, 12.5611,
2.3188)**

Conversions

Conversions Part 1

Format	Color
Hex	7F5E12
RGB	127, 94, 18
RGB Percent	50%, 37%, 7%
CMY	0.5020, 0.6314, 0.9294
CMYK	0.00, 0.26, 0.86, 0.50
HSL	42°, 75%, 28%
HSV	42°, 86%, 50%
XYZ	12.8643, 12.5611, 2.3188
YIQ	95.2030, 44.0640, -16.6400

Conversions

Conversions Part 2

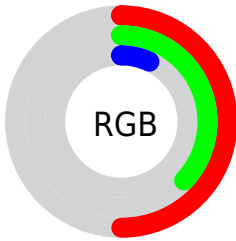
Format	Color
RYB	65, 127, 18
Decimal	8347154
CIELab	42.09, 6.31, 44.73
CIElCh	42, 45.169, 81.971
Yxy	12.5611, 0.4637, 0.4527
Android (android.graphics.Color)	4286537234 (0xFF7F5E12)
YUV	95.2030, -38.0611, 27.8860
Hunter-Lab	35.4416, 2.7675, 20.9301

Details

The XYZ color **12.8643, 12.5611, 2.3188** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2641, 4.0286, 20.5787**, and the grayscale version is **11.0074, 11.5806, 12.6113**.

A 20% lighter version of the original color is **30.5759, 30.4435, 9.8949**, and **3.8810, 3.5698, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **12.4510, 11.8628, 1.7858**, and if you desaturate by 10%, it is **13.3493, 13.3164, 3.1427**.

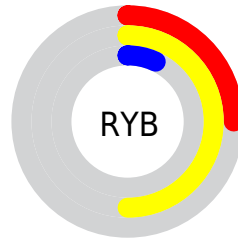
Distribution



Red (50%)

Green (37%)

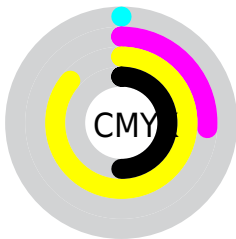
Blue (7%)



Red (25%)

Yellow (50%)

Blue (7%)

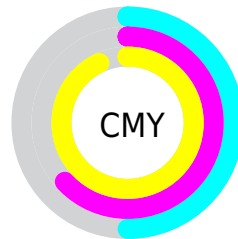


Cyan (0%)

Magenta (26%)

Yellow (86%)

Black (50%)



Cyan (50%)

Magenta (63%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8643, 12.5611, 2.3188 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 12.8643, 12.5611, 2.3188 by changing the saturation by 10% instead.

■ 12.8643, 12.5611,
2.3188

■ 12.8643, 12.5611,
2.3188

203.7014,
208.0853, 127.1458

■ 7.4115, 7.1270,
0.7417

■ 30.6632, 30.5130,
9.8954

■ 3.7694, 3.5417,
0.0000

■ 43.7400, 43.7996,
16.7486

■ 1.5725, 1.4206,
0.0000

■ 60.0888, 60.4725,
26.2032

■ 0.3744, 0.2319,
0.0000


■ 80.0751, 80.9161,
38.6778


■ 0.0000, 0.0000,
0.0000


■ 104.0641,
105.5148, 54.5907


■ 132.4213,


134.6530, 74.3607


 165.5119,
168.7150, 98.4062


 12.8643, 12.5611,
2.3188


 12.8643, 12.5611,
2.3188


 12.4510, 11.8628,
1.7858


 13.3493, 13.3164,
3.1427

 12.2877, 11.5826,
1.5880

 13.9171, 14.1319,
4.3187

 14.5752, 15.0115,
5.8840

 15.3299, 15.9582,
7.8706

 16.1870, 16.9746,
10.3072

■ 17.1515, 18.0630,
13.2201

■ 18.2283, 19.2258,
16.6335

■ 19.4218, 20.4652,
20.5699

■ 20.7364, 21.7830,
25.0504

Harmonies

Analogous

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



16.3778, 12.5611, 3.6663



12.8643, 12.5611, 2.3188



9.6812, 12.5611, 2.6934

Triad

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



12.8643, 12.5611, 2.3188



6.8938, 12.5611, 21.8331



17.7853, 12.5611, 28.5360

Complementary

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



12.8643, 12.5611, 2.3188



5.2641, 4.0286, 20.5787

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.



14.5229, 12.5611, 39.0124



12.8643, 12.5611, 2.3188



8.3847, 12.5611, 34.0417

Square

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



12.8643, 12.5611, 2.3188



6.6162, 12.5611, 11.2518



11.0591, 12.5611, 41.3974



19.5470, 12.5611, 16.4276

Rectangle

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



12.8643, 12.5611, 2.3188



8.1186, 12.5611, 4.0171



11.0591, 12.5611, 41.3974



16.8017, 12.5611, 32.5614

Sweetspot

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



12.8646, 12.5617, 2.3190



30.5699, 32.1871, 23.2274



9.6003, 5.1974, 3.8076



7.0368, 7.4017, 5.0692



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.8646, 12.5617, 2.3190



21.8698, 20.4725, 2.7989



13.7640, 18.3492, 3.3887



4.5589, 4.8065, 4.6076



12.3913, 11.6790, 1.6012



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.2641, 4.0286, 20.5787



8.0082, 5.0404, 36.5071



4.8459, 2.3768, 20.2819



4.2068, 4.4076, 5.4423



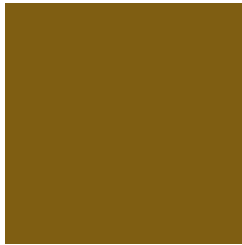
4.5758, 2.9701, 20.5821



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8643, 12.5611, 2.3188 looks on a white background.

Color Contrast Check

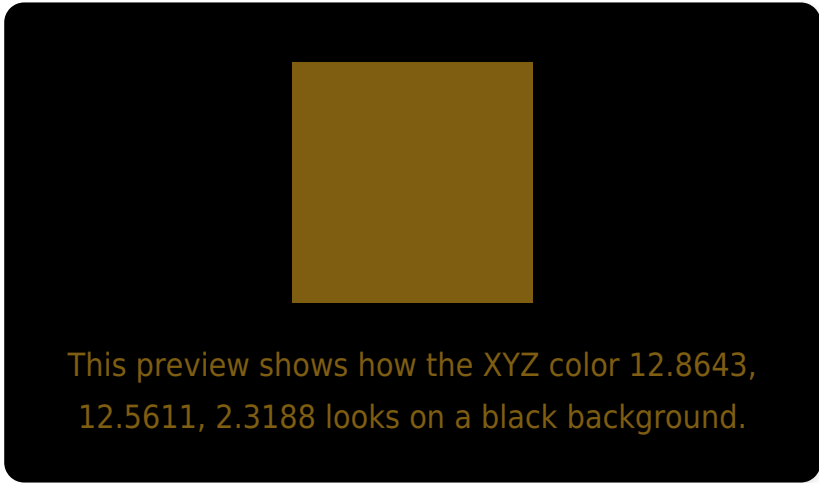
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

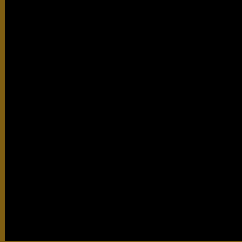
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8643, 12.5611, 2.3188

Background



This preview shows how black text looks on a background with the XYZ color 12.8643, 12.5611, 2.3188.



This preview shows how white text looks on a background with the XYZ color 12.8643, 12.5611,

2.3188.

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

12.8643, 12.5611, 2.3188

Protanopia

11.3655, 12.6096, 2.4967

Deuteranopia

12.8056, 12.6637, 2.3417



Tritanopia

14.8702, 12.6129, 12.2405

Trichromacy



Original Color

12.8643, 12.5611, 2.3188

Protanomaly

11.8213, 12.5643, 2.4182

Deuteranomaly

12.8056, 12.6637, 2.3417

Tritanomaly

13.8455, 12.4515, 6.8279

Monochromacy



Original Color

12.8643, 12.5611, 2.3188

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.1687, 11.7155, 6.9828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8643, 12.5611, 2.3188 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(127, 94, 18)` looks like.

```
.text, #text, p{  
    color:rgb(127, 94, 18)  
}
```

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(127, 94, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 94, 18) }
```

Border

The CSS property to change the border of an element to XYZ 12.8643, 12.5611, 2.3188 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(127, 94, 18) }
```


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

```
.border{ border-color:rgb(127, 94, 18) }
```

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

Here you see how a box with a 4 pixel rgb(127, 94, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 94, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 94, 18);  
box-shadow:4px 4px 4px 4px rgb(127, 94,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8643, 12.5611, 2.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 94, 18) }
```

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

```
.background{ background-color: rgb(127, 94,  
18) }
```

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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