

Converting Colors

XYZ(12.8654, 13.7703, 3.4933)

Have a look what the booklet for
XYZ(12.8654, 13.7703, 3.4933)
contains.

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Color

**XYZ(12.8847, 13.8091,
3.4997)**

Conversions

Conversions Part 1

Format	Color
Hex	786722
RGB	120, 103, 34
RGB Percent	47%, 40%, 13%
CMY	0.5294, 0.5961, 0.8667
CMYK	0.00, 0.14, 0.72, 0.53
HSL	48°, 56%, 30%
HSV	48°, 72%, 47%
XYZ	12.8847, 13.8091, 3.4997
YIQ	100.2170, 32.2810, -17.8550

Conversions

Conversions Part 2

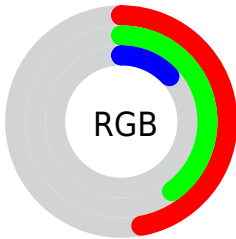
Format	Color
RYB	55, 120, 34
Decimal	7890722
CIELab	43.96, -1.59, 39.79
CIELCh	44, 39.818, 92.285
Yxy	13.8091, 0.4267, 0.4574
Android (android.graphics.Color)	4286080802 (0xFF786722)
YUV	100.2170, -32.6450, 17.3497
Hunter-Lab	37.1606, -3.1397, 20.4286

Details

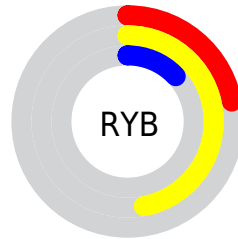
The XYZ color **12.8847, 13.8091, 3.4997** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.2336, 4.0636, 18.2776**, and the grayscale version is **12.2440, 12.8816, 14.0281**.

A 20% lighter version of the original color is **30.7961, 32.8497, 12.9011**, and **3.8684, 4.0936, 0.5862** is the 20% darker color. If you saturate the color by 10%, you get **12.5085, 13.2870, 2.6646**, and if you desaturate by 10%, it is **13.3287, 14.3701, 4.6562**.

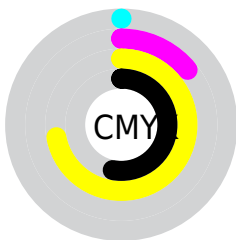
Distribution



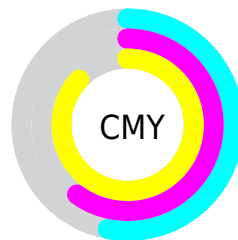
- Red (47%)
- Green (40%)
- Blue (13%)



- Red (22%)
- Yellow (47%)
- Blue (13%)



- Cyan (0%)
- Magenta (14%)
- Yellow (72%)
- Black (53%)



- Cyan (53%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8847, 13.8091, 3.4997 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 12.8847, 13.8091, 3.4997 by changing the saturation by 10% instead.

■ 12.8847, 13.8091,
3.4997

■ 12.8847, 13.8091,
3.4997

203.8300,
216.0400, 142.4907

■ 7.4256, 7.9880,
1.3551

■ 30.6996, 32.7499,
12.8384

■ 3.7784, 4.0873,
0.1063

■ 43.7861, 46.6384,
20.8696

■ 1.5775, 1.7225,
0.0000

■ 60.1458, 63.9849,
31.7001

■ 0.3777, 0.4382,
0.0000

■ 80.1441, 85.1737,
45.7484

■ 0.0000, 0.0000,
0.0000

■ 104.1463,
110.5892, 63.4331

■ 132.5178,

140.6158, 85.1727

165.6239,
175.6379, 111.3857

12.8847, 13.8091,
3.4997

12.8847, 13.8091,
3.4997

12.5085, 13.2870,
2.6646

13.3287, 14.3701,
4.6562

12.1925, 12.7992,
2.1151

13.8453, 14.9703,
6.1631

11.9545, 12.4107,
1.7654

14.4399, 15.6127,
8.0472

15.1171, 16.2990,
10.3323

15.8810, 17.0311,
13.0404

■ 16.7357, 17.8106,
16.1919

■ 17.6848, 18.6391,
19.8057

■ 18.7316, 19.5180,
23.8998

■ 19.8795, 20.4487,
28.4910

Harmonies

Analogous

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



16.1535, 13.8091, 4.3034



12.8847, 13.8091, 3.4997



10.1441, 13.8091, 4.6114

Triad

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



12.8847, 13.8091, 3.4997



8.6355, 13.8091, 26.3561



19.2615, 13.8091, 24.6498

Complementary

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



12.8847, 13.8091, 3.4997



5.2336, 4.0636, 18.2776

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.



16.6395, 13.8091, 35.0258



12.8847, 13.8091, 3.4997



10.5011, 13.8091, 36.2575

Square

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



12.8847, 13.8091, 3.4997



7.9487, 13.8091, 15.7393



13.3685, 13.8091, 39.9347



20.1679, 13.8091, 14.3535

Rectangle

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



12.8847, 13.8091, 3.4997



8.8872, 13.8091, 6.7151



13.3685, 13.8091, 39.9347



18.5329, 13.8091, 28.3650

Sweetspot

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



12.8850, 13.8098, 3.5000



27.9537, 29.9750, 23.0134



8.9197, 5.3780, 3.7233



6.5514, 7.0349, 5.1895



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.



12.8850, 13.8098, 3.5000



21.6311, 22.8103, 4.0106



11.6418, 15.9386, 3.9764



4.2437, 4.5058, 4.2705



13.0319, 13.5198, 1.9227



61.5598, 63.2831, 8.9703

Inverse Universe

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



5.2336, 4.0636, 18.2776



7.3544, 4.6846, 31.7697



5.8137, 3.4547, 18.1295



3.8559, 4.0101, 5.0140



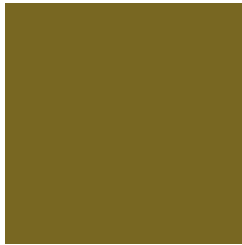
4.0396, 2.1616, 19.5896



18.7781, 9.3288, 93.2807

Previews

White Background



This preview shows how the XYZ color 12.8847, 13.8091, 3.4997 looks on a white background.

Color Contrast Check

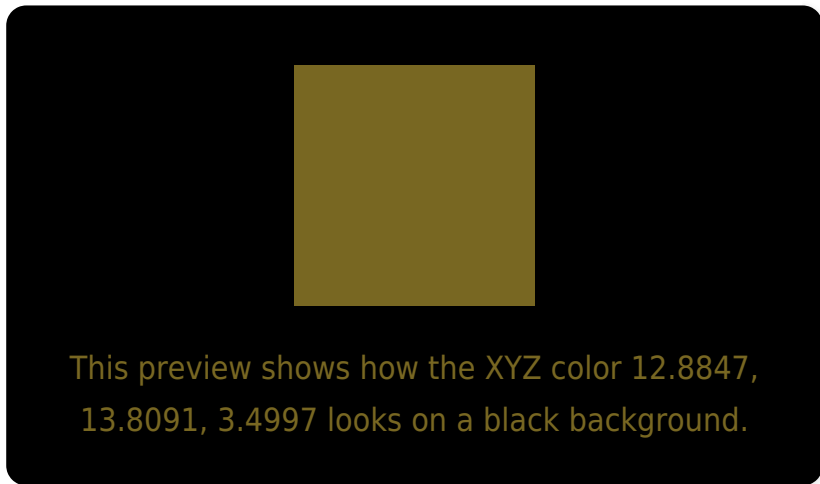
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8847, 13.8091, 3.4997

Background



This preview shows how black text looks on a background with the XYZ color 12.8847, 13.8091, 3.4997.



This preview shows how white text looks on a background with the XYZ color 12.8847, 13.8091,

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

12.8847, 13.8091, 3.4997

Protanopia

12.4415, 13.7291, 3.5076

Deuteranopia

13.9711, 13.7909, 3.5157



Tritanopia

15.1390, 13.7252, 14.9480

Trichromacy



Original Color

12.8847, 13.8091, 3.4997

Protanomaly

12.5752, 13.7980, 3.5139

Deuteranomaly

13.4647, 13.6713, 3.5193

Tritanomaly

14.0415, 13.6991, 9.3013

Monochromacy



Original Color

12.8847, 13.8091, 3.4997

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0216, 12.9550, 8.7044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8847, 13.8091, 3.4997 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, 103, 34)` looks like.

```
.text, #text, p{  
    color:rgb(120, 103, 34)  
}
```

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, 103, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 103, 34) }
```

Border

The CSS property to change the border of an element to XYZ 12.8847, 13.8091, 3.4997 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, 103, 34) }
```


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

```
.border{ border-color:rgb(120, 103, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 103, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 103, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 103, 34);  
box-shadow:4px 4px 4px 4px rgb(120, 103,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8847, 13.8091, 3.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 103, 34) }
```

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

```
.background{ background-color: rgb(120,  
103, 34) }
```

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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