

Converting Colors

XYZ(12.8102, 13.3197, 1.9946)

Have a look what the booklet for
XYZ(12.8102, 13.3197, 1.9946)
contains.

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Color

**XYZ(12.8858, 13.4060,
1.9946)**

Conversions

Conversions Part 1

Format	Color
Hex	7C6403
RGB	124, 100, 3
RGB Percent	49%, 39%, 1%
CMY	0.5137, 0.6078, 0.9882
CMYK	0.00, 0.19, 0.98, 0.51
HSL	48°, 95%, 25%
HSV	48°, 98%, 49%
XYZ	12.8858, 13.4060, 1.9946
YIQ	96.1180, 45.4410, -25.0790

Conversions

Conversions Part 2

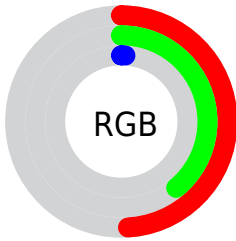
Format	Color
R_{YB}	33, 124, 3
Decimal	8152067
CIE Lab	43.37, 0.96, 49.64
CIE LCh	43, 49.647, 88.893
Yxy	13.4060, 0.4555, 0.4739
Android (android.graphics.Color)	4286342147 (0xFF7C6403)
YUV	96.1180, -45.9072, 24.4525
Hunter-Lab	36.6142, -1.2546, 22.4001

Details

The XYZ color **12.8858, 13.4060, 1.9946** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.0676, 2.2585, 19.2902**, and the grayscale version is **11.2476, 11.8334, 12.8866**.

A 20% lighter version of the original color is **30.5710, 31.8529, 8.9518**, and **3.9177, 3.9779, 0.5613** is the 20% darker color. If you saturate the color by 10%, you get **12.8127, 13.2862, 1.8892**, and if you desaturate by 10%, it is **13.1982, 13.9147, 2.4574**.

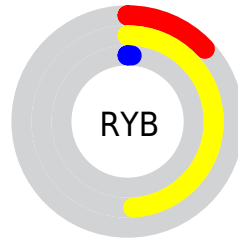
Distribution



Red (49%)

Green (39%)

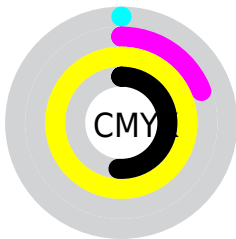
Blue (1%)



Red (13%)

Yellow (49%)

Blue (1%)

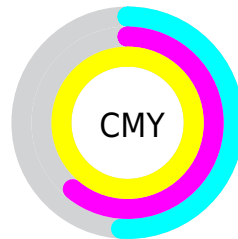


Cyan (0%)

Magenta (19%)

Yellow (98%)

Black (51%)



Cyan (51%)

Magenta (61%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8858, 13.4060, 1.9946 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 12.8858, 13.4060, 1.9946 by changing the saturation by 10% instead.

■ 12.8858, 13.4060,
1.9946

■ 12.8858, 13.4060,
1.9946

203.8369,
213.5035, 122.2929

■ 7.4264, 7.7087,
0.5520

■ 30.7015, 32.0313,
9.0260

■ 3.7789, 3.9091,
0.0000

■ 43.7886, 45.7281,
15.5079

■ 1.5778, 1.6229,
0.0000

■ 60.1489, 62.8601,
24.5252

■ 0.3779, 0.3729,
0.0000


■ 80.1478, 83.8119,
36.4965


■ 0.0000, 0.0000,
0.0000


■ 104.1507,
108.9677, 51.8404


■ 132.5230,


138.7120, 70.9754


 165.6299,
173.4291, 94.3201


 12.8858, 13.4060,
1.9946


 12.8858, 13.4060,
1.9946


 12.8127, 13.2862,
1.8892

 13.1982, 13.9147,
2.4574

 13.5630, 14.4552,
3.1617

 13.9961, 15.0347,
4.1901

 14.5044, 15.6559,
5.5781

 15.0937, 16.3213,
7.3566

■ 15.7693, 17.0331,
9.5529

■ 16.5360, 17.7934,
12.1923

■ 17.3983, 18.6039,
15.2976

■ 18.3602, 19.4664,
18.8903

Harmonies

Analogous

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



16.9703, 13.4060, 2.9182



12.8858, 13.4060, 1.9946



9.4841, 13.4060, 2.7801

Triad

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



12.8858, 13.4060, 1.9946



7.2894, 13.4060, 27.4521



20.2049, 13.4060, 28.5492

Complementary

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



12.8858, 13.4060, 1.9946



4.0676, 2.2585, 19.2902

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.



16.6717, 13.4060, 42.2067



12.8858, 13.4060, 1.9946



9.2817, 13.4060, 41.3794

Square

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



12.8858, 13.4060, 1.9946



6.6725, 13.4060, 14.1904



12.5993, 13.4060, 47.7945



21.6880, 13.4060, 15.0110

Rectangle

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



12.8858, 13.4060, 1.9946



7.9311, 13.4060, 4.6123



12.5993, 13.4060, 47.7945



19.1866, 13.4060, 33.4873

Sweetspot

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



12.8861, 13.4067, 1.9949



28.8010, 31.0226, 20.4079



8.5449, 4.4304, 1.4541



6.6685, 7.1934, 4.4100



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.8861, 13.4067, 1.9949



22.4500, 23.1858, 3.2921



11.2204, 16.4820, 2.6763



4.2435, 4.5053, 4.2705



13.0236, 13.5031, 1.9199



61.5186, 63.2006, 8.9566

Inverse Universe

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



4.0676, 2.2585, 19.2902



6.9150, 3.5864, 33.8844



4.5189, 1.9577, 19.2084



3.8561, 4.0105, 5.0140



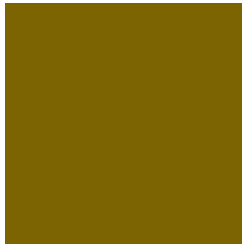
4.0414, 2.1653, 19.5902



18.7856, 9.3438, 93.2832

Previews

White Background



This preview shows how the XYZ color 12.8858, 13.4060, 1.9946 looks on a white background.

Color Contrast Check

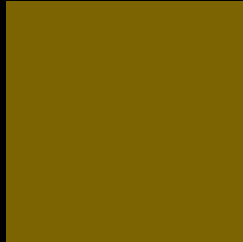
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8858, 13.4060, 1.9946 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 12.8858, 13.4060, 1.9946

Background



This preview shows how black text looks on a background with the XYZ color 12.8858, 13.4060, 1.9946.

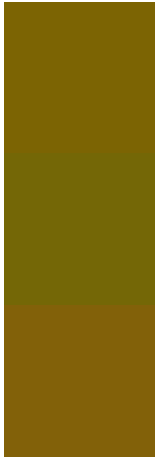


This preview shows how white text looks on a background with the XYZ color 12.8858, 13.4060,

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

12.8858, 13.4060, 1.9946

Protanopia

12.0856, 13.4266, 2.1269

Deuteranopia

13.5299, 13.3149, 2.1154



Tritanopia

15.2679, 13.4159, 13.8414

Trichromacy



Original Color

12.8858, 13.4060, 1.9946

Protanomaly

12.3865, 13.4356, 2.0841

Deuteranomaly

13.3081, 13.3399, 2.0745

Tritanomaly

13.8894, 13.2594, 6.8283

Monochromacy



Original Color

12.8858, 13.4060, 1.9946

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.0881, 11.9614, 6.2818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8858, 13.4060, 1.9946 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(124, 100, 3)` looks like.

```
.text, #text, p{  
    color:rgb(124, 100, 3)  
}
```

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(124, 100, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 100, 3) }
```

Border

The CSS property to change the border of an element to XYZ 12.8858, 13.4060, 1.9946 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(124, 100, 3) }
```


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

```
.border{ border-color:rgb(124, 100, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 100, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 100, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 100, 3);  
box-shadow:4px 4px 4px 4px rgb(124, 100,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8858, 13.4060, 1.9946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 100, 3) }
```

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

```
.background{ background-color: rgb(124,  
100, 3) }
```

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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