

Converting Colors

XYZ(13.0355, 12.9480, 3.6344)

Have a look what the booklet for
XYZ(13.0355, 12.9480, 3.6344)
contains.

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Color

**XYZ(12.9902, 12.8657,
3.6324)**

Conversions

Conversions Part 1

Format	Color
Hex	7D6026
RGB	125, 96, 38
RGB Percent	49%, 38%, 15%
CMY	0.5098, 0.6235, 0.8510
CMYK	0.00, 0.23, 0.70, 0.51
HSL	40°, 53%, 32%
HSV	40°, 70%, 49%
XYZ	12.9902, 12.8657, 3.6324
YIQ	98.0590, 35.9020, -11.8900

Conversions

Conversions Part 2

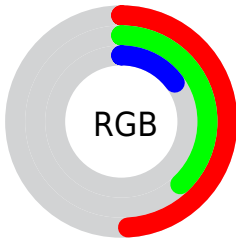
Format	Color
R_{YB}	82, 125, 38
Decimal	8216614
CIE Lab	42.56, 5.14, 36.58
CIE LCh	43, 36.941, 82.008
Yxy	12.8657, 0.4405, 0.4363
Android (android.graphics.Color)	4286406694 (0xFF7D6026)
YUV	98.0590, -29.6091, 23.6273
Hunter-Lab	35.8688, 1.8750, 19.1039

Details

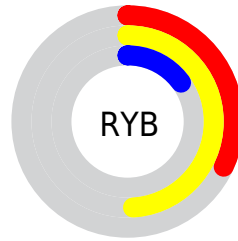
The XYZ color **12.9902, 12.8657, 3.6324** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.5081, 5.9068, 20.1991**, and the grayscale version is **11.6896, 12.2984, 13.3929**.

A 20% lighter version of the original color is **30.7810, 30.9330, 13.1524**, and **3.8883, 3.6977, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **12.4514, 12.0585, 2.6196**, and if you desaturate by 10%, it is **13.6175, 13.7416, 5.0094**.

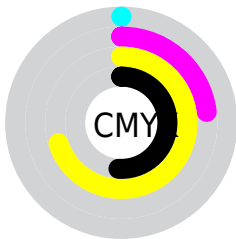
Distribution



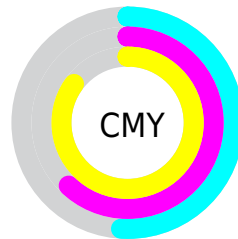
- Red (49%)
- Green (38%)
- Blue (15%)



- Red (32%)
- Yellow (49%)
- Blue (15%)



- Cyan (0%)
- Magenta (23%)
- Yellow (70%)
- Black (51%)



- Cyan (51%)
- Magenta (62%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9902, 12.8657, 3.6324 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 12.9902, 12.8657, 3.6324 by changing the saturation by 10% instead.

■ 12.9902, 12.8657,
3.6324

■ 12.9902, 12.8657,
3.6324

204.4937,
210.0552, 144.0474

■ 7.4988, 7.3361,
1.4259

■ 30.8876, 31.0623,
13.1527

■ 3.8250, 3.6732,
0.1618

■ 44.0243, 44.4981,
21.3036

■ 1.6036, 1.4925,
0.0000

■ 60.4402, 61.3381,
32.2730

■ 0.3948, 0.2834,
0.0000

■ 80.5005, 81.9668,
46.4795

■ 0.0000, 0.0000,
0.0000

■ 104.5706,
106.7684, 64.3417

■ 133.0160,

136.1274, 86.2780

166.2019,
170.4282, 112.7071

12.9902, 12.8657,
3.6324

12.9902, 12.8657,
3.6324

12.4514, 12.0585,
2.6196

13.6175, 13.7416,
5.0094

11.9929, 11.3146,
1.9327

14.3389, 14.6873,
6.7821

11.5922, 10.6252,
1.4543

15.1603, 15.7062,
8.9796

11.5766, 10.5983,
1.4355

16.0871, 16.8010,
11.6279

17.1241, 17.9739,
14.7511

■ 18.2756, 19.2272,
18.3713

■ 19.5460, 20.5630,
22.5093

■ 20.9392, 21.9834,
27.1850

■ 22.4590, 23.4903,
32.4167

Harmonies

Analogous

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



15.8400, 12.8657, 5.0489



12.9902, 12.8657, 3.6324



10.3248, 12.8657, 4.0418

Triad

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



12.9902, 12.8657, 3.6324



7.8956, 12.8657, 20.5968



16.9665, 12.8657, 25.7650

Complementary

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



12.9902, 12.8657, 3.6324



6.5081, 5.9068, 20.1991

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.



14.3528, 12.8657, 33.6469



12.9902, 12.8657, 3.6324



9.2124, 12.8657, 29.9566

Square

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



12.9902, 12.8657, 3.6324



7.6450, 12.8657, 11.9777



11.4971, 12.8657, 35.4189



18.3530, 12.8657, 16.2569

Rectangle

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



12.9902, 12.8657, 3.6324



8.9758, 12.8657, 5.4079



11.4971, 12.8657, 35.4189



16.1850, 12.8657, 28.8215

Sweetspot

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



12.9905, 12.8663, 3.6327



30.2950, 31.7750, 25.2803



10.1637, 6.1516, 5.9620



6.7953, 7.1202, 5.4594



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.



12.9905, 12.8663, 3.6327



21.7537, 20.7243, 3.8375



14.1763, 18.1543, 4.5908



4.5484, 4.7854, 4.6041



12.0759, 11.0483, 1.4961



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.5081, 5.9068, 20.1991



9.3623, 7.4819, 35.6951



5.8369, 3.6104, 19.7912



4.2169, 4.4278, 5.4457



4.7091, 3.2366, 20.6265



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9902, 12.8657, 3.6324 looks on a white background.

Color Contrast Check

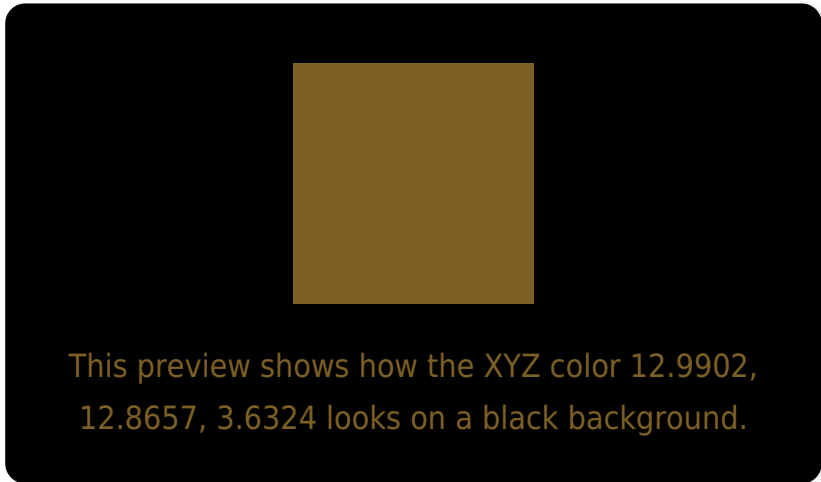
Large Text (above 18pt) WCAG AA ✓ Pass

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

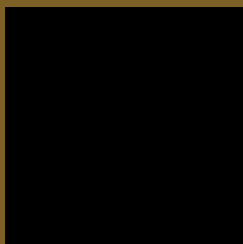
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9902, 12.8657, 3.6324

Background



This preview shows how black text looks on a background with the XYZ color 12.9902, 12.8657, 3.6324.



This preview shows how white text looks on a background with the XYZ color 12.9902, 12.8657,

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

12.9902, 12.8657, 3.6324

Protanopia

11.7020, 12.8986, 3.7924

Deuteranopia

13.1369, 12.9413, 3.6393



Tritanopia

14.8671, 12.8425, 13.0045

Trichromacy



Original Color

12.9902, 12.8657, 3.6324

Protanomaly

12.1642, 12.8521, 3.7590

Deuteranomaly

13.1369, 12.9413, 3.6393

Tritanomaly

14.0337, 12.7653, 8.5618

Monochromacy



Original Color

12.9902, 12.8657, 3.6324

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7635, 12.2593, 8.5838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9902, 12.8657, 3.6324 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(125, 96, 38)` looks like.

```
.text, #text, p{  
    color:rgb(125, 96, 38)  
}
```

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(125, 96, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 96, 38) }
```

Border

The CSS property to change the border of an element to XYZ 12.9902, 12.8657, 3.6324 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(125, 96, 38) }
```


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

```
.border{ border-color:rgb(125, 96, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 96, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 96, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 96, 38);  
box-shadow:4px 4px 4px 4px rgb(125, 96,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9902, 12.8657, 3.6324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 96, 38) }
```

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

```
.background{ background-color: rgb(125, 96,  
38) }
```

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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