

Converting Colors

XYZ(12.4364, 12.8259, 4.9521)

Have a look what the booklet for
XYZ(12.4364, 12.8259, 4.9521)
contains.

XYZ(12.4364, 12.8259, 4.9521)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4364, 12.8259,
4.9521)**

Conversions

Conversions Part 1

Format	Color
Hex	766233
RGB	118, 98, 51
RGB Percent	46%, 38%, 20%
CMY	0.5373, 0.6157, 0.8000
CMYK	0.00, 0.17, 0.57, 0.54
HSL	42°, 40%, 33%
HSV	42°, 57%, 46%
XYZ	12.4364, 12.8259, 4.9521
YIQ	98.6220, 27.0070, -10.3770

Conversions

Conversions Part 2

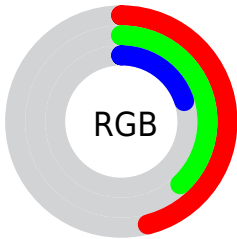
Format	Color
RYB	80, 118, 51
Decimal	7758387
CIE Lab	42.50, 1.68, 29.47
CIE LCh	42, 29.519, 86.731
Yxy	12.8259, 0.4116, 0.4245
Android (android.graphics.Color)	4285948467 (0xFF766233)
YUV	98.6220, -23.4776, 16.9945
Hunter-Lab	35.8133, -0.6879, 16.8709

Details

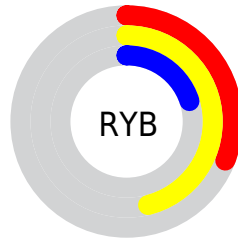
The XYZ color **12.4364, 12.8259, 4.9521** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.8884, 6.5180, 18.0345**, and the grayscale version is **11.8173, 12.4327, 13.5392**.

A 20% lighter version of the original color is **30.0128, 31.1664, 16.2383**, and **3.5701, 3.6602, 0.6619** is the 20% darker color. If you saturate the color by 10%, you get **11.8864, 12.0906, 3.6442**, and if you desaturate by 10%, it is **13.0676, 13.6178, 6.6133**.

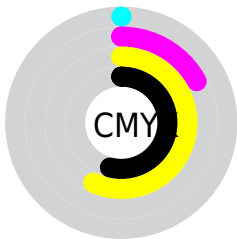
Distribution



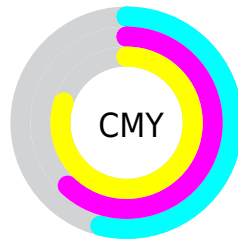
- Red (46%)
- Green (38%)
- Blue (20%)



- Red (31%)
- Yellow (46%)
- Blue (20%)



- Cyan (0%)
- Magenta (17%)
- Yellow (57%)
- Black (54%)





- Cyan (54%)
- Magenta (62%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4364, 12.8259, 4.9521 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 12.4364, 12.8259, 4.9521 by changing the saturation by 10% instead.


 12.4364, 12.8259,
4.9521


 12.4364, 12.8259,
4.9521


200.9848,
209.7989, 158.2836

 7.1159, 7.3088,
2.1609


 29.8975, 30.9907,
16.1520


 3.5817, 3.6559,
0.6517

 42.7688, 44.4071,
25.3979


 1.4683, 1.4830,
0.0000

 58.8877, 61.2254,
37.6324

 0.3041, 0.2767,
0.0000

 78.6197, 81.8299,
53.2741

 0.0000, 0.0000,
0.0000

 102.3301,
106.6052, 72.7416

 130.3841,

135.9355, 96.4532

163.1472,
170.2052, 124.8278

■ 12.4364, 12.8259,
4.9521

■ 12.4364, 12.8259,
4.9521

■ 11.8864, 12.0906,
3.6442

■ 13.0676, 13.6178,
6.6133

■ 11.4113, 11.4078,
2.6619

■ 13.7839, 14.4668,
8.6511

■ 11.0055, 10.7752,
1.9745

■ 14.5898, 15.3754,
11.0878

■ 10.6558, 10.1875,
1.5139

■ 15.4894, 16.3455,
13.9437

■ 10.5477, 10.0046,
1.3752

■ 16.4865, 17.3789,
17.2376

■ 17.5845, 18.4773,
20.9874

■ 18.7868, 19.6423,
25.2097

■ 20.0966, 20.8755,
29.9205

■ 21.5168, 22.1782,
35.1349

Harmonies

Analogous

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



14.6933, 12.8259, 6.0173



12.4364, 12.8259, 4.9521



10.3645, 12.8259, 5.6272

Triad

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



12.4364, 12.8259, 4.9521



8.7527, 12.8259, 20.2385



16.1322, 12.8259, 21.8293

Complementary

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



12.4364, 12.8259, 4.9521



6.8884, 6.5180, 18.0345

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.



14.2196, 12.8259, 28.0284



12.4364, 12.8259, 4.9521



9.9896, 12.8259, 26.9306

Square

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



12.4364, 12.8259, 4.9521



8.3963, 12.8259, 13.2776



11.9481, 12.8259, 30.1323



16.9841, 12.8259, 14.6761

Rectangle

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



12.4364, 12.8259, 4.9521



9.3313, 12.8259, 7.1340



11.9481, 12.8259, 30.1323



15.5814, 12.8259, 24.1683

Sweetspot

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



12.4367, 12.8265, 4.9524



27.1286, 28.6277, 24.1711



9.7956, 6.6755, 6.7504



6.1811, 6.5223, 5.3763



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.4367, 12.8265, 4.9524



20.6436, 20.9001, 5.8474



12.8548, 16.1749, 5.5766



3.8788, 4.0905, 3.9274



11.4001, 10.8014, 1.4840



54.7798, 51.0881, 6.9738

Inverse Universe

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



6.8884, 6.5180, 18.0345



9.8840, 8.6909, 31.2936



6.5944, 4.7792, 17.7143



3.5815, 3.7517, 4.6256



4.1848, 2.7092, 18.8449



19.7277, 11.8719, 91.6120

Previews

White Background



This preview shows how the XYZ color 12.4364, 12.8259, 4.9521 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 12.4364, 12.8259, 4.9521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

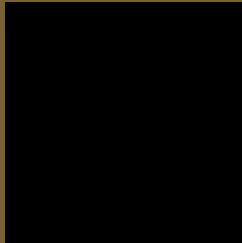
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4364, 12.8259, 4.9521

Background



This preview shows how black text looks on a background with the XYZ color 12.4364, 12.8259, 4.9521.



This preview shows how white text looks on a background with the XYZ color 12.4364, 12.8259,

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

12.4364, 12.8259, 4.9521

Protanopia

11.8291, 12.9348, 5.1220

Deuteranopia

12.9711, 12.8246, 5.0406



Tritanopia

14.2406, 12.8864, 13.7933

Trichromacy



Original Color

12.4364, 12.8259, 4.9521

Protanomaly

12.1164, 12.9397, 5.1078

Deuteranomaly

12.7797, 12.8623, 5.0579

Tritanomaly

13.5004, 12.8586, 9.7530

Monochromacy



Original Color

12.4364, 12.8259, 4.9521

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9287, 12.5970, 9.7854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4364, 12.8259, 4.9521 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(118, 98, 51)` looks like.

```
.text, #text, p{  
    color:rgb(118, 98, 51)  
}
```

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(118, 98, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 98, 51) }
```

Border

The CSS property to change the border of an element to XYZ 12.4364, 12.8259, 4.9521 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(118, 98, 51) }
```


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

```
.border{ border-color:rgb(118, 98, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 98, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 98, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 98, 51);  
box-shadow:4px 4px 4px 4px rgb(118, 98,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4364, 12.8259, 4.9521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 98, 51) }
```

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

```
.background{ background-color: rgb(118, 98,  
51) }
```

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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