

Converting Colors

XYZ(1.8693, 3.6992, 0.0000)

Have a look what the booklet for
XYZ(1.8693, 3.6992, 0.0000)
contains.

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Color

XYZ(1.9850, 3.7450, 0.6182)

Conversions

Conversions Part 1

Format	Color
Hex	0C4000
RGB	12, 64, 0
RGB Percent	5%, 25%, 0%
CMY	0.9530, 0.7490, 1.0000
CMYK	0.81, 0.00, 1.00, 0.75
HSL	109°, 100%, 13%
HSV	109°, 100%, 25%
XYZ	1.9850, 3.7450, 0.6182
YIQ	41.1560, -10.4480, -30.9280

Conversions

Conversions Part 2

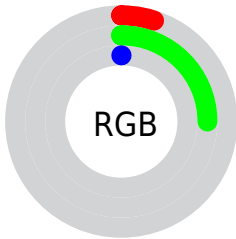
Format	Color
RYB	0, 64, 52
Decimal	802816
CIELab	22.81, -29.59, 30.48
CIELCh	23, 42.485, 134.148
Yxy	3.7450, 0.3127, 0.5899
Android (android.graphics.Color)	4278992896 (0xFF0C4000)
YUV	41.1560, -20.2899, -25.5698
Hunter-Lab	19.3520, -15.5567, 11.6524

Details

The XYZ color **1.9850, 3.7450, 0.6182** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **2.3420, 1.1004, 4.9398**, and the grayscale version is **2.1409, 2.2524, 2.4529**.

A 20% lighter version of the original color is **8.6186, 13.1475, 4.8798**, and **0.2163, 0.4326, 0.0721** is the 20% darker color. If you saturate the color by 10%, you get **1.9851, 3.7452, 0.6183**, and if you desaturate by 10%, it is **2.1033, 3.8020, 0.8068**.

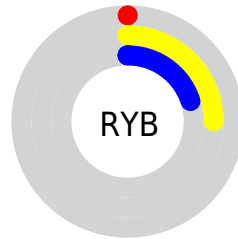
Distribution



Red (5%)

Green (25%)

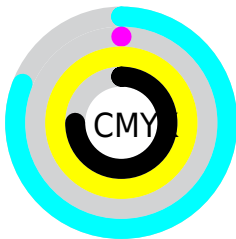
Blue (0%)



Red (0%)

Yellow (25%)

Blue (20%)

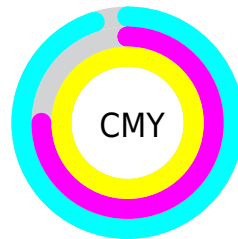


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (75%)



Cyan (95%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 1.9850, 3.7450, 0.6182 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 1.9850, 3.7450, 0.6182 by changing the saturation by 10% instead.


 1.9850, 3.7450,
0.6182


 1.9850, 3.7450,
0.6182

 110.4214,
136.9220, 95.7334


 0.6255, 1.5320,
0.0000

 8.5347, 13.0310,
4.8531


 0.0000, 0.3111,
0.0000

 14.4736, 20.8727,
9.3235

 0.0000, 0.0000,
0.0000


 22.6757, 31.3594,
15.9338


 33.5063, 44.8755,
25.1026


 47.3309, 61.8054,
37.2484


 64.5146, 82.5336,


52.7898


 85.4230, 107.4443,
72.1453


 1.9850, 3.7450,
0.6182


 1.9850, 3.7450,
0.6182


 1.9851, 3.7452,
0.6183

 2.1033, 3.8020,
0.8068

 2.2446, 3.8707,
1.0029

 2.4208, 3.9560,
1.2611

 2.6363, 4.0599,
1.5988

 2.8936, 4.1834,
2.0216

■ 3.1946, 4.3275,
2.5348

■ 3.5413, 4.4931,
3.1433

■ 3.9355, 4.6811,
3.8515

■ 4.3791, 4.8922,
4.6637

Harmonies

Analogous

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



2.9369, 3.7450, 0.0000



1.9850, 3.7450, 0.6182



1.5361, 3.7450, 2.3027

Triad

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



1.9850, 3.7450, 0.6182



2.8689, 3.7450, 17.0419



6.8901, 3.7450, 2.4586

Complementary

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



1.9850, 3.7450, 0.6182



2.3420, 1.1004, 4.9398

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.



6.8577, 3.7450, 6.5885



1.9850, 3.7450, 0.6182



4.2644, 3.7450, 17.1975

Square

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



1.9850, 3.7450, 0.6182



1.9466, 3.7450, 12.2325



5.8023, 3.7450, 12.5755



5.8817, 3.7450, 0.6807

Rectangle

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



1.9850, 3.7450, 0.6182



1.4819, 3.7450, 4.6656



5.8023, 3.7450, 12.5755



7.0074, 3.7450, 3.5413

Sweetspot

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



1.9851, 3.7452, 0.6183



6.0597, 7.7566, 5.3026



3.3071, 3.4754, 0.4965



1.6384, 2.1221, 1.4059



38.6329, 40.6448, 44.2622



2.3302, 2.4515, 2.6697

Same Dimension

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



1.9851, 3.7452, 0.6183



3.3918, 6.4721, 1.0705



1.9528, 3.7147, 1.2392



1.3291, 1.4719, 1.4313



4.5180, 8.6611, 1.4336



27.7206, 54.0201, 8.9659

Inverse Universe

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



2.3420, 1.1004, 4.9398



4.0164, 1.8850, 8.5705



2.5843, 1.2780, 2.5731



1.3489, 1.3465, 1.6387



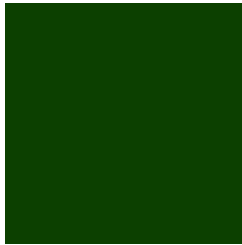
5.3557, 2.5122, 11.4875



32.8806, 15.3900, 72.0433

Previews

White Background



This preview shows how the XYZ color 1.9850, 3.7450, 0.6182 looks on a white background.

Color Contrast Check

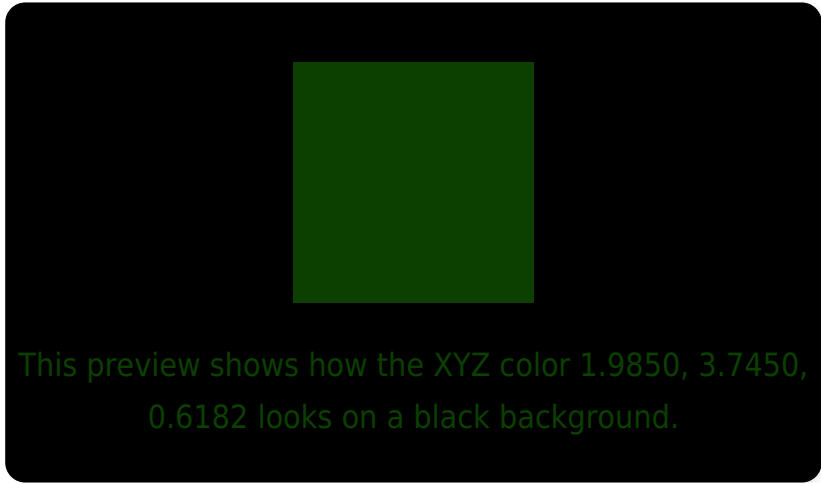
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

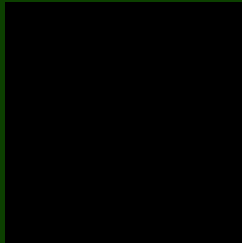
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 1.9850, 3.7450, 0.6182

Background



This preview shows how black text looks on a background with the XYZ color 1.9850, 3.7450, 0.6182.



This preview shows how white text looks on a background with the XYZ color 1.9850, 3.7450, 0.6182.

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

1.9850, 3.7450, 0.6182

Protanopia

3.3528, 3.7565, 0.5484

Deuteranopia

3.7615, 3.7529, 0.9416



Tritanopia

2.9961, 3.7593, 5.4182

Trichromacy



Original Color

1.9850, 3.7450, 0.6182

Protanomaly

2.5518, 3.5616, 0.5530

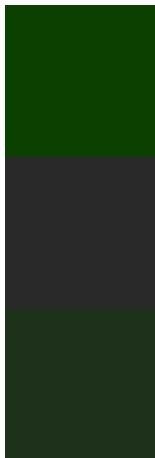
Deuteranomaly

2.6824, 3.4764, 0.7881

Tritanomaly

2.4223, 3.6797, 2.6804

Monochromacy



Original Color

1.9850, 3.7450, 0.6182

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

1.8202, 2.5472, 1.3730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.9850, 3.7450, 0.6182 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(12, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 64, 0)  
}
```

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(12, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 64, 0) }
```

Border

The CSS property to change the border of an element to XYZ 1.9850, 3.7450, 0.6182 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(12, 64, 0) }
```

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

```
.border{ border-color:rgb(12, 64, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 64, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 64, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(12, 64, 0); box-shadow:4px  
4px 4px 4px rgb(12, 64, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 1.9850, 3.7450, 0.6182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 64, 0) }
```

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

```
.background{ background-color: rgb(12, 64,  
0) }
```

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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