

Converting Colors

XYZ(1.7138, 3.3592, 0.6299)

Have a look what the booklet for
XYZ(1.7138, 3.3592, 0.6299)
contains.

XYZ(1.7227, 3.3634, 0.6446)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(1.7227, 3.3634, 0.6446)

Conversions

Conversions Part 1

Format	Color
Hex	033D03
RGB	3, 61, 3
RGB Percent	1%, 24%, 1%
CMY	0.9882, 0.7608, 0.9882
CMYK	0.95, 0.00, 0.95, 0.76
HSL	120°, 91%, 13%
HSV	120°, 95%, 24%
XYZ	1.7227, 3.3634, 0.6446
YIQ	37.0460, -15.9500, -30.3340

Conversions

Conversions Part 2

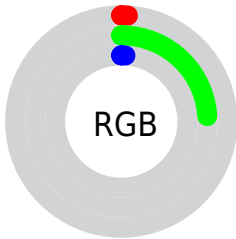
Format	Color
R_YB	3, 61, 61
Decimal	212227
CIE Lab	21.44, -30.06, 27.75
CIE LCh	21, 40.911, 137.284
Yxy	3.3634, 0.3006, 0.5869
Android (android.graphics.Color)	4278402307 (0xFF033D03)
YUV	37.0460, -16.7847, -29.8583
Hunter-Lab	18.3396, -15.3271, 10.7538

Details

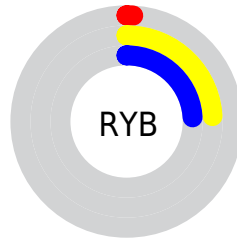
The XYZ color **1.7227, 3.3634, 0.6446** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **2.7992, 1.3941, 4.5357**, and the grayscale version is **1.7767, 1.8692, 2.0356**.

A 20% lighter version of the original color is **7.7893, 12.0671, 4.9363**, and **0.1085, 0.2171, 0.0362** is the 20% darker color. If you saturate the color by 10%, you get **1.6688, 3.3376, 0.5565**, and if you desaturate by 10%, it is **1.8326, 3.4163, 0.8242**.

Distribution



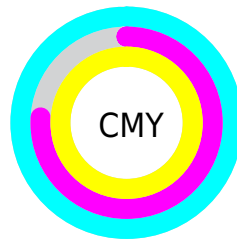
- Red (1%)
- Green (24%)
- Blue (1%)



- Red (1%)
- Yellow (24%)
- Blue (24%)



- Cyan (95%)
- Magenta (0%)
- Yellow (95%)
- Black (76%)




- Cyan (99%)
- Magenta (76%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 1.7227, 3.3634, 0.6446 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 1.7227, 3.3634, 0.6446 by changing the saturation by 10% instead.


 1.7227, 3.3634,
0.6446


 1.7227, 3.3634,
0.6446

 106.4653,
132.6129, 96.3005


 0.4704, 1.3243,
0.0000


 7.8285, 12.1441,
4.9310


 0.0000, 0.1599,
0.0000

 13.4648, 19.6544,
9.4438

 0.0000, 0.0000,
0.0000


 21.3103, 29.7572,
16.1057


 31.7305, 42.8370,
25.3352


 45.0908, 59.2780,
37.5509

 61.7564, 79.4648,

53.1713


 82.0928, 103.7816,
72.6150


 1.7227, 3.3634,
0.6446


 1.7227, 3.3634,
0.6446


 1.6688, 3.3376,
0.5565

 1.8326, 3.4163,
0.8242

 1.9567, 3.4759,
1.0273

 2.1226, 3.5556,
1.2987

 2.3339, 3.6571,
1.6443

 2.5936, 3.7819,
2.0692

■ 2.9046, 3.9312,
2.5777

■ 3.2692, 4.1064,
3.1741

■ 3.6899, 4.3085,
3.8623

■ 4.1689, 4.5386,
4.6458

Harmonies

Analogous

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



2.5276, 3.3634, 0.0000



1.7227, 3.3634, 0.6446



1.3635, 3.3634, 2.3335

Triad

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



1.7227, 3.3634, 0.6446



2.6910, 3.3634, 15.5168



6.1252, 3.3634, 1.9587

Complementary

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



1.7227, 3.3634, 0.6446



2.7992, 1.3941, 4.5357

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.



6.2028, 3.3634, 5.4184



1.7227, 3.3634, 0.6446



3.9748, 3.3634, 15.1437

Square

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



1.7227, 3.3634, 0.6446



1.8150, 3.3634, 11.5287



5.3362, 3.3634, 10.7063



5.1457, 3.3634, 0.4834

Rectangle

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



1.7227, 3.3634, 0.6446



1.3409, 3.3634, 4.6177



5.3362, 3.3634, 10.7063



6.2653, 3.3634, 2.8485

Sweetspot

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



1.7228, 3.3635, 0.6447



5.1544, 6.7303, 4.7852



3.6098, 4.3363, 0.7328



1.4178, 1.8755, 1.2954



37.3664, 39.3123, 42.8111



2.0893, 2.1981, 2.3937

Same Dimension

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



1.7228, 3.3635, 0.6447



2.7996, 5.5992, 0.9335



1.9670, 3.4612, 1.9308



1.1501, 1.2813, 1.2567



4.0340, 8.0678, 1.3449



26.0816, 52.1630, 8.6945

Inverse Universe

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



2.7992, 1.3941, 4.5357



4.6414, 2.2295, 7.5907



2.2178, 1.1615, 1.4737



1.1996, 1.1908, 1.4355



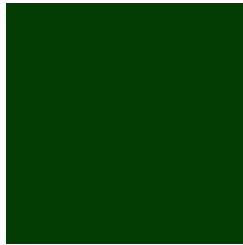
6.6877, 3.2125, 10.9373



43.2397, 20.7705, 70.7145

Previews

White Background



This preview shows how the XYZ color 1.7227, 3.3634, 0.6446 looks on a white background.

Color Contrast Check

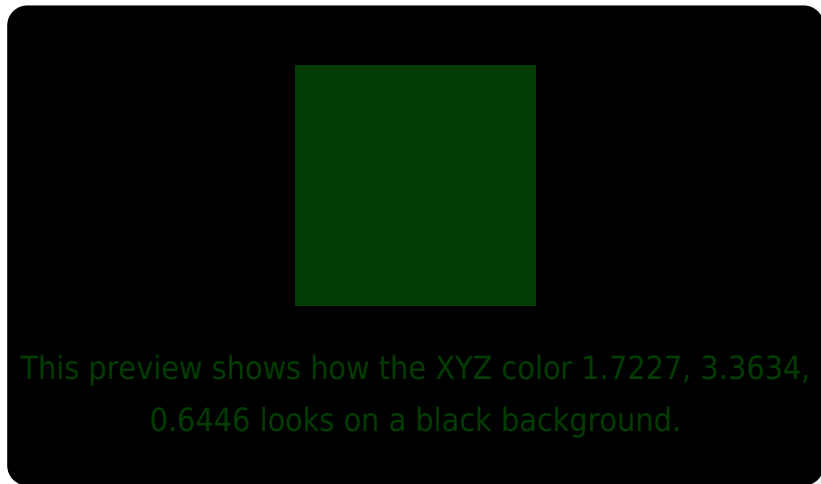
Large Text (above 18pt) WCAG AA ✓ Pass

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

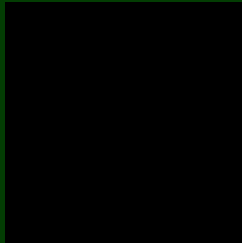
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 1.7227, 3.3634, 0.6446

Background



This preview shows how black text looks on a background with the XYZ color 1.7227, 3.3634, 0.6446.



This preview shows how white text looks on a background with the XYZ color 1.7227, 3.3634, 0.6446.

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

1.7227, 3.3634, 0.6446

Protanopia

3.0316, 3.3858, 0.4937

Deuteranopia

3.3509, 3.3495, 0.8507



Tritanopia

2.7314, 3.4828, 4.9432

Trichromacy



Original Color

1.7227, 3.3634, 0.6446

Protanomaly

2.2084, 3.1659, 0.5234

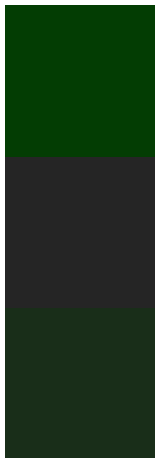
Deuteranomaly

2.2773, 3.0582, 0.7287

Tritanomaly

2.1455, 3.3079, 2.5329

Monochromacy



Original Color

1.7227, 3.3634, 0.6446

Achromatopsia

1.7584, 1.8500, 2.0147

Achromatomaly

1.5534, 2.2309, 1.2684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.7227, 3.3634, 0.6446 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(3, 61, 3)` looks like.

```
.text, #text, p{  
    color:rgb(3, 61, 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(3, 61, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 61, 3) }
```

Border

The CSS property to change the border of an element to XYZ 1.7227, 3.3634, 0.6446 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(3, 61, 3) }
```

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

```
.border{ border-color:rgb(3, 61, 3) }
```

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

Here you see how a box with a 4 pixel rgb(3, 61, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 61, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 61, 3); box-shadow:4px  
4px 4px 4px rgb(3, 61, 3) }
```


Background

The CSS property to change the background color of an element to XYZ 1.7227, 3.3634, 0.6446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 61, 3) }
```

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

```
.background{ background-color: rgb(3, 61,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor