

Converting Colors

XYZ(0.0000, 2.8139, 2.6901)

Have a look what the booklet for
XYZ(0.0000, 2.8139, 2.6901)
contains.

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Color

XYZ(2.3661, 4.0636, 2.8501)

Conversions

Conversions Part 1

Format	Color
Hex	00422A
RGB	0, 66, 42
RGB Percent	0%, 26%, 16%
CMY	1.0000, 0.7412, 0.8353
CMYK	1.00, 0.00, 0.36, 0.74
HSL	158°, 100%, 13%
HSV	158°, 100%, 26%
XYZ	2.3661, 4.0636, 2.8501
YIQ	43.5300, -31.6320, -21.4560

Conversions

Conversions Part 2

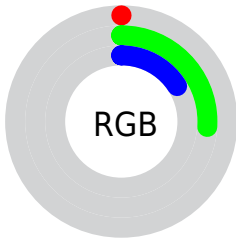
Format	Color
RYB	0, 40, 66
Decimal	16938
CIELab	23.88, -25.91, 9.38
CIELCh	24, 27.550, 160.102
Yxy	4.0636, 0.2550, 0.4379
Android (android.graphics.Color)	4278207018 (0xFF00422A)
YUV	43.5300, -0.7543, -38.1758
Hunter-Lab	20.1584, -14.3256, 5.7281

Details

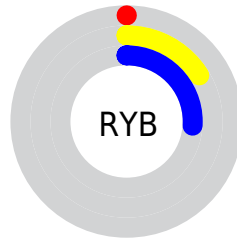
The XYZ color **2.3661, 4.0636, 2.8501** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **2.4117, 1.2243, 0.9734**, and the grayscale version is **2.3508, 2.4732, 2.6933**.

A 20% lighter version of the original color is **9.5384, 13.8194, 11.1815**, and **0.2869, 0.5738, 0.0956** is the 20% darker color. If you saturate the color by 10%, you get **2.3662, 4.0638, 2.8502**, and if you desaturate by 10%, it is **2.4931, 4.1241, 3.0872**.

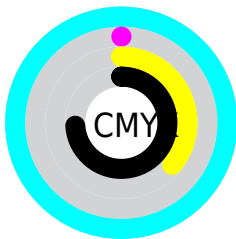
Distribution



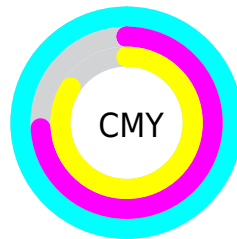
- Red (0%)
- Green (26%)
- Blue (16%)



- Red (0%)
- Yellow (16%)
- Blue (26%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (74%)





- Cyan (100%)
- Magenta (74%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 2.3661, 4.0636, 2.8501 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 2.3661, 4.0636, 2.8501 by changing the saturation by 10% instead.


 2.3661, 4.0636,
2.8501


 2.3661, 4.0636,
2.8501

 115.7362,
140.3650, 134.4279


 0.8282, 1.7092,
1.0186


 9.5196, 13.7558,
11.2563


 0.0000, 0.4296,
0.0000

 15.8660, 21.8623,
18.6680

 0.0000, 0.0000,
0.0000


 24.5459, 32.6550,
28.7769


 35.9247, 46.5183,
42.0015


 50.3678, 63.8365,
58.7604


 68.2405, 84.9942,


79.4721


 89.9082, 110.3755,
104.5551


 2.3661, 4.0636,
2.8501


 2.3661, 4.0636,
2.8501


 2.3662, 4.0638,
2.8502

 2.4931, 4.1241,
3.0872

 2.6263, 4.1873,
3.3381

 2.7914, 4.2667,
3.6044

 2.9955, 4.3659,
3.8867

 3.2414, 4.4863,
4.1852

■ 3.5316, 4.6292,
4.5004

■ 3.8684, 4.7958,
4.8325

■ 4.2538, 4.9872,
5.1818

■ 4.6899, 5.2044,
5.5486

Harmonies

Analogous

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



2.7854, 4.0636, 1.4759



2.3661, 4.0636, 2.8501



2.3074, 4.0636, 5.4245

Triad

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



2.3661, 4.0636, 2.8501



4.1973, 4.0636, 11.9974



5.4640, 4.0636, 1.8068

Complementary

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



2.3661, 4.0636, 2.8501



2.4117, 1.2243, 0.9734

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.



5.9942, 4.0636, 3.5557



2.3661, 4.0636, 2.8501



5.1863, 4.0636, 9.8667

Square

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



2.3661, 4.0636, 2.8501



3.2641, 4.0636, 11.5461



5.8849, 4.0636, 6.4927



4.5295, 4.0636, 1.0712

Rectangle

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



2.3661, 4.0636, 2.8501



2.4682, 4.0636, 7.6639



5.8849, 4.0636, 6.4927



5.7020, 4.0636, 2.2573

Sweetspot

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



2.3662, 4.0638, 2.8502



6.6375, 8.2894, 8.3162



2.3298, 4.0933, 0.6673



1.6932, 2.1344, 2.1291



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.



2.3662, 4.0638, 2.8502



4.0777, 7.0454, 4.7811



2.4565, 3.3396, 5.6696



1.3386, 1.4736, 1.5764



5.1257, 8.8750, 5.9520



31.7059, 55.5036, 34.9487

Inverse Universe

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



2.4117, 1.2243, 0.9734



4.1569, 2.1136, 1.5220



2.3424, 1.3493, 0.1370



1.3400, 1.3452, 1.4881



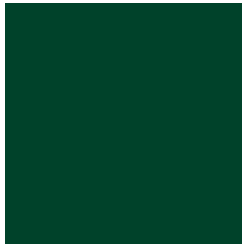
5.2260, 2.6587, 1.8464



32.3725, 16.5144, 9.3848

Previews

White Background



This preview shows how the XYZ color 2.3661, 4.0636, 2.8501 looks on a white background.

Color Contrast Check

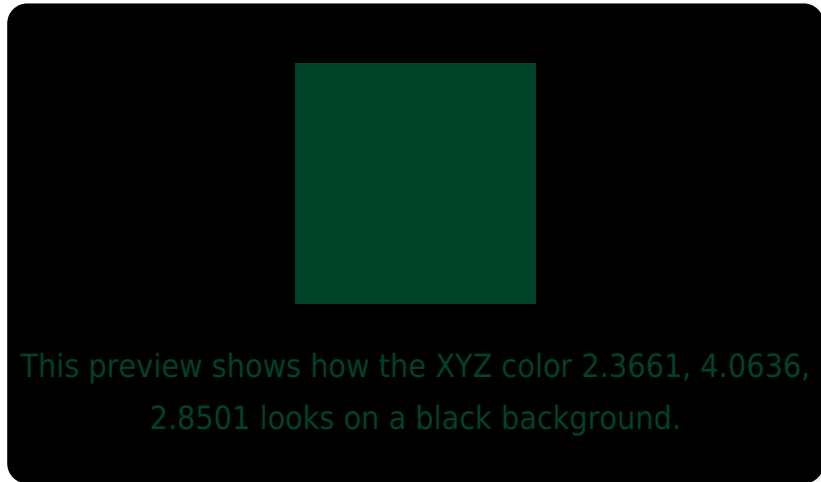
Large Text (above 18pt) WCAG AA ✓ Pass

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

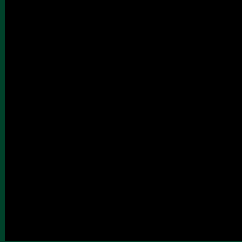
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 2.3661, 4.0636, 2.8501

Background



This preview shows how black text looks on a background with the XYZ color 2.3661, 4.0636, 2.8501.



This preview shows how white text looks on a background with the XYZ color 2.3661, 4.0636, 2.8501.

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

2.3661, 4.0636, 2.8501

Protanopia

3.7996, 4.0903, 2.4230

Deuteranopia

4.1546, 4.1151, 3.0580



Tritanopia

3.1742, 4.1545, 6.1034

Trichromacy



Original Color

2.3661, 4.0636, 2.8501

Protanomaly

2.8188, 3.8095, 2.5062

Deuteranomaly

3.0148, 3.8234, 2.9620

Tritanomaly

2.8198, 4.0841, 4.7774

Monochromacy



Original Color

2.3661, 4.0636, 2.8501

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

2.1429, 2.8773, 2.7279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.3661, 4.0636, 2.8501 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(0, 66, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 66, 42)  
}
```

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(0, 66, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 66, 42) }
```

Border

The CSS property to change the border of an element to XYZ 2.3661, 4.0636, 2.8501 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(0, 66, 42) }
```

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

```
.border{ border-color:rgb(0, 66, 42) }
```

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

Here you see how a box with a 4 pixel rgb(0, 66, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 66, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 66, 42); box-shadow:4px  
4px 4px 4px rgb(0, 66, 42) }
```


Background

The CSS property to change the background color of an element to XYZ 2.3661, 4.0636, 2.8501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 66, 42) }
```

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

```
.background{ background-color: rgb(0, 66,  
42) }
```

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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