

Converting Colors

XYZ(9.5762, 16.2997, 2.6414)

Have a look what the booklet for
XYZ(9.5762, 16.2997, 2.6414)
contains.

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Color

**XYZ(9.6436, 16.4304,
2.6631)**

Conversions

Conversions Part 1

Format	Color
Hex	3D8000
RGB	61, 128, 0
RGB Percent	24%, 50%, 0%
CMY	0.7608, 0.4980, 1.0000
CMYK	0.52, 0.00, 1.00, 0.50
HSL	91°, 100%, 25%
HSV	91°, 100%, 50%
XYZ	9.6436, 16.4304, 2.6631
YIQ	93.3750, 1.1560, -54.0120

Conversions

Conversions Part 2

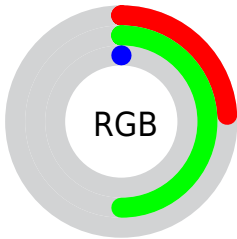
Format	Color
RYB	0, 128, 67
Decimal	4030464
CIELab	47.53, -40.65, 51.49
CIELCh	48, 65.599, 128.292
Yxy	16.4304, 0.3356, 0.5717
Android (android.graphics.Color)	4282220544 (0xFF3D8000)
YUV	93.3750, -46.0339, -28.3929
Hunter-Lab	40.5344, -28.4681, 24.4788

Details

The XYZ color **9.6436, 16.4304, 2.6631** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.2120, 2.7524, 20.6268**, and the grayscale version is **10.5972, 11.1491, 12.1413**.

A 20% lighter version of the original color is **24.6517, 37.1309, 10.7182**, and **2.7244, 5.4488, 0.9081** is the 20% darker color. If you saturate the color by 10%, you get **9.6437, 16.4310, 2.6632**, and if you desaturate by 10%, it is **10.1540, 16.6858, 3.0598**.

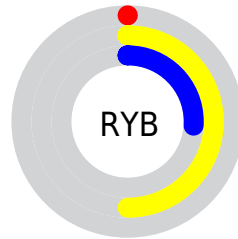
Distribution



Red (24%)

Green (50%)

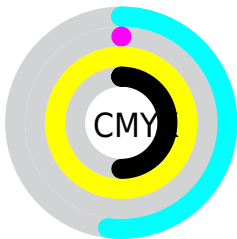
Blue (0%)



Red (0%)

Yellow (50%)

Blue (26%)

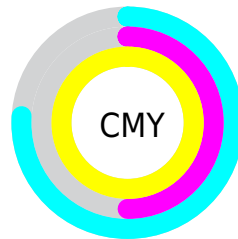


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (76%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6436, 16.4304, 2.6631 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 9.6436, 16.4304, 2.6631 by changing the saturation by 10% instead.

■ 9.6436, 16.4304,
2.6631

■ 9.6436, 16.4304,
2.6631

182.2164,
231.8682, 131.9468

■ 5.2237, 9.8292,
0.9248

■ 24.7788, 37.3438,
10.7851

■ 2.4152, 5.2859,
0.0000

■ 36.2248, 52.4248,
18.0065

■ 0.8527, 2.4160,
0.0000

■ 50.7436, 71.1012,
27.8927

■ 0.0000, 0.8341,
0.0000


■ 68.7005, 93.7575,
40.8624


■ 0.0000, 0.0000,
0.0000


■ 90.4609, 120.7779,
57.3342


■ 116.3901,


152.5469, 77.7264


 146.8535,
189.4488, 102.4578


 9.6436, 16.4304,
2.6631


 9.6436, 16.4304,
2.6631


 9.6437, 16.4310,
2.6632

 10.1540, 16.6858,
3.0598

 10.7566, 16.9837,
3.6657

 11.4780, 17.3354,
4.6096

 12.3275, 17.7449,
5.9316

 13.3130, 18.2156,
7.6662

■ 14.4420, 18.7506,
9.8440

■ 15.7211, 19.3527,
12.4929

■ 17.1566, 20.0246,
15.6381

■ 18.7543, 20.7688,
19.3035

Harmonies

Analogous

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



14.0534, 16.4304, 1.2097



9.6436, 16.4304, 2.6631



7.3384, 16.4304, 8.4407

Triad

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



9.6436, 16.4304, 2.6631



11.8225, 16.4304, 67.4461



29.5621, 16.4304, 13.6436

Complementary

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



9.6436, 16.4304, 2.6631



6.2120, 2.7524, 20.6268

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.



28.5358, 16.4304, 32.6057



9.6436, 16.4304, 2.6631



17.2916, 16.4304, 72.2642

Square

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



9.6436, 16.4304, 2.6631



8.3607, 16.4304, 46.1110



23.6541, 16.4304, 56.8300



26.1845, 16.4304, 4.4502

Rectangle

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



9.6436, 16.4304, 2.6631



6.8706, 16.4304, 16.9488



23.6541, 16.4304, 56.8300



29.7343, 16.4304, 18.8652

Sweetspot

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



9.6440, 16.4311, 2.6635



27.5127, 33.9943, 21.6421



10.8588, 8.5020, 1.0690



6.2487, 7.8684, 4.6617



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



9.6440, 16.4311, 2.6635



16.8138, 28.8431, 4.6811



7.7313, 15.4438, 2.6349



4.4558, 4.9114, 4.6333



9.5636, 16.2926, 2.6407



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.2120, 2.7524, 20.6268



10.7688, 4.7591, 36.3073



12.6600, 6.0926, 20.2032



4.3068, 4.3138, 5.4189



6.1607, 2.7297, 20.4521



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.6436, 16.4304, 2.6631 looks on a white background.

Color Contrast Check

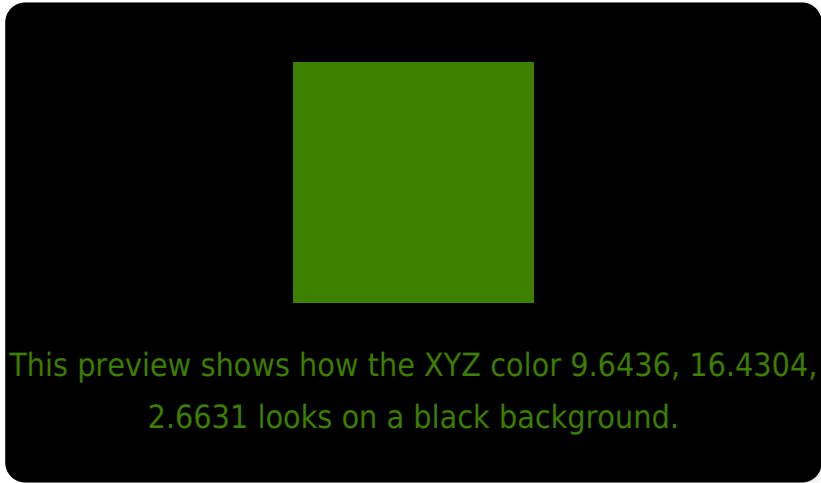
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.6436, 16.4304, 2.6631

Background



This preview shows how black text looks on a background with the XYZ color 9.6436, 16.4304, 2.6631.



This preview shows how white text looks on a background with the XYZ color 9.6436, 16.4304,

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

9.6436, 16.4304, 2.6631

Protanopia

14.6575, 16.3223, 2.3780

Deuteranopia

16.4287, 16.2527, 3.2485



Tritanopia

13.7837, 16.4409, 23.2158

Trichromacy



Original Color

9.6436, 16.4304, 2.6631

Protanomaly

12.0720, 15.8404, 2.4213

Deuteranomaly

12.9140, 15.7467, 2.8891

Tritanomaly

11.1550, 15.9060, 10.4649

Monochromacy



Original Color

9.6436, 16.4304, 2.6631

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.3368, 12.3732, 6.0338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6436, 16.4304, 2.6631 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(61, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 128, 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(61, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.6436, 16.4304, 2.6631 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(61, 128, 0) }
```


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

```
.border{ border-color:rgb(61, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(61, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 128, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.6436, 16.4304, 2.6631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 128, 0) }
```

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

```
.background{ background-color: rgb(61, 128,  
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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