

Converting Colors

XYZ(10.3000, 16.0740, 2.6839)

Have a look what the booklet for
XYZ(10.3000, 16.0740, 2.6839)
contains.

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Color

**XYZ(10.2901, 16.0018,
2.6612)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7C04
RGB	77, 124, 4
RGB Percent	30%, 49%, 2%
CMY	0.6980, 0.5137, 0.9843
CMYK	0.38, 0.00, 0.97, 0.51
HSL	84°, 94%, 25%
HSV	84°, 97%, 49%
XYZ	10.2901, 16.0018, 2.6612
YIQ	96.2670, 10.5080, -47.2840

Conversions

Conversions Part 2

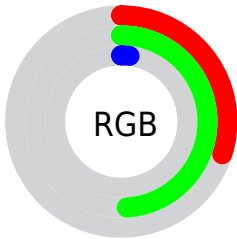
Format	Color
R_{YB}	4, 124, 51
Decimal	5078020
CIE _{Lab}	46.98, -33.15, 50.54
CIE _{LCh}	47, 60.441, 123.260
Yxy	16.0018, 0.3554, 0.5527
Android (android.graphics.Color)	4283268100 (0xFF4D7C04)
YUV	96.2670, -45.4876, -16.8972
Hunter-Lab	40.0022, -24.0869, 24.0572

Details

The XYZ color **10.2901, 16.0018, 2.6612** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.0476, 2.2464, 19.2372**, and the grayscale version is **11.2892, 11.8771, 12.9341**.

A 20% lighter version of the original color is **26.0656, 36.6629, 10.8571**, and **2.8694, 5.2143, 0.8552** is the 20% darker color. If you saturate the color by 10%, you get **10.1433, 15.9292, 2.5400**, and if you desaturate by 10%, it is **10.7718, 16.2420, 3.0737**.

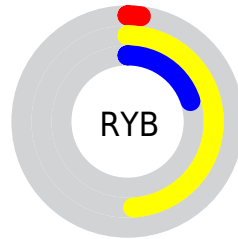
Distribution



Red (30%)

Green (49%)

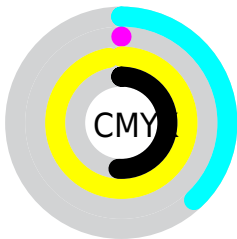
Blue (2%)



Red (2%)

Yellow (49%)

Blue (20%)

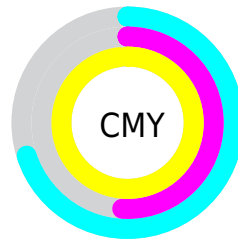


Cyan (38%)

Magenta (0%)

Yellow (97%)

Black (51%)



Cyan (70%)

Magenta (51%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2901, 16.0018, 2.6612 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 10.2901, 16.0018, 2.6612 by changing the saturation by 10% instead.

■ 10.2901, 16.0018,
2.6612

■ 10.2901, 16.0018,
2.6612

186.7409,
229.3523, 131.9211

■ 5.6555, 9.5254,
0.9238

■ 25.9845, 36.6013,
10.7803

■ 2.6754, 5.0855,
0.0000

■ 37.7750, 51.4933,
17.9997

■ 0.9845, 2.2975,
0.0000

■ 52.6814, 69.9592,
27.8836

■ 0.0000, 0.7724,
0.0000


■ 71.0692, 92.3835,
40.8507


■ 0.0000, 0.0000,
0.0000


■ 93.3037, 119.1506,
57.3195


■ 119.7502,


150.6448, 77.7084


 150.7742,
187.2506, 102.4361


 10.2901, 16.0018,
2.6612


 10.2901, 16.0018,
2.6612


 10.1433, 15.9292,
2.5400

 10.7718, 16.2420,
3.0737

 11.3312, 16.5162,
3.7408

 11.9828, 16.8308,
4.7342

 12.7338, 17.1888,
6.0888

 13.5906, 17.5927,
7.8353

■ 14.5588, 18.0449,
10.0008

■ 15.6438, 18.5476,
12.6103

■ 16.8504, 19.1028,
15.6866

■ 18.1831, 19.7123,
19.2512

Harmonies

Analogous

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



14.6387, 16.0018, 1.5277



10.2901, 16.0018, 2.6612



7.8209, 16.0018, 7.3371

Triad

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



10.2901, 16.0018, 2.6612



11.0808, 16.0018, 58.4649



27.7739, 16.0018, 15.8203

Complementary

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



10.2901, 16.0018, 2.6612



5.0476, 2.2464, 19.2372

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.



26.2058, 16.0018, 34.0668



10.2901, 16.0018, 2.6612



15.7944, 16.0018, 65.6057

Square

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



10.2901, 16.0018, 2.6612



8.1976, 16.0018, 38.7479



21.4892, 16.0018, 54.8337



25.3841, 16.0018, 5.8417

Rectangle

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



10.2901, 16.0018, 2.6612



7.1866, 16.0018, 14.2269



21.4892, 16.0018, 54.8337



27.6937, 16.0018, 21.0657

Sweetspot

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



10.2905, 16.0025, 2.6615



26.9488, 32.3702, 20.7657



9.4754, 6.5758, 0.8850



6.1864, 7.5493, 4.5041



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.2905, 16.0025, 2.6615



17.6908, 27.9488, 4.4623



7.4795, 14.5534, 2.5300



4.1629, 4.5593, 4.2851



10.3082, 16.1913, 2.5819



48.1951, 76.7309, 12.2704

Inverse Universe

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



5.0476, 2.2464, 19.2372



8.4475, 3.6153, 33.8092



10.1126, 4.8575, 19.4743



3.9324, 3.9630, 5.0009



4.9624, 2.1310, 19.5351



22.7755, 9.7032, 93.1423

Previews

White Background



This preview shows how the XYZ color 10.2901, 16.0018, 2.6612 looks on a white background.

Color Contrast Check

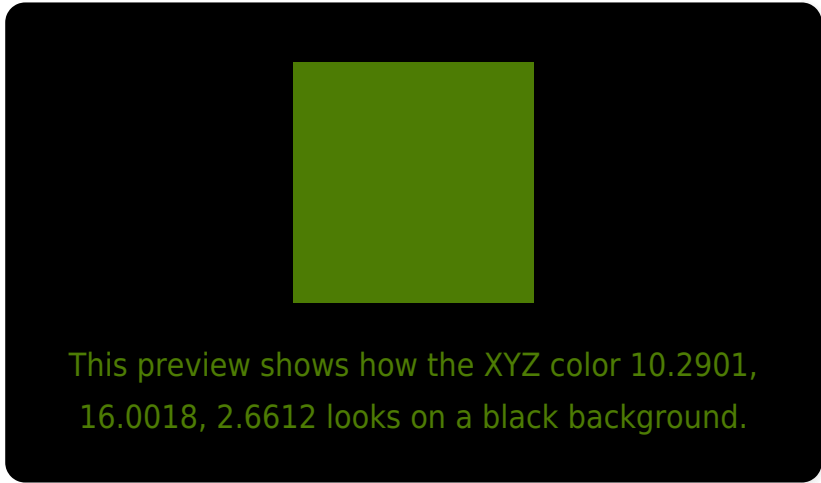
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2901, 16.0018, 2.6612

Background



This preview shows how black text looks on a background with the XYZ color 10.2901, 16.0018, 2.6612.



This preview shows how white text looks on a background with the XYZ color 10.2901, 16.0018,

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

10.2901, 16.0018, 2.6612

Protanopia

14.1419, 15.7289, 2.2906

Deuteranopia

16.0423, 15.7488, 3.1140



Tritanopia

13.9853, 15.8904, 21.3988

Trichromacy



Original Color

10.2901, 16.0018, 2.6612

Protanomaly

12.4352, 15.6811, 2.4001

Deuteranomaly

13.2315, 15.4107, 2.8075

Tritanomaly

11.6727, 15.4673, 9.9597

Monochromacy



Original Color

10.2901, 16.0018, 2.6612

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.1711, 12.7908, 6.6354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2901, 16.0018, 2.6612 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(77, 124, 4)` looks like.

```
.text, #text, p{  
    color:rgb(77, 124, 4)  
}
```

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(77, 124, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 124, 4) }
```

Border

The CSS property to change the border of an element to XYZ 10.2901, 16.0018, 2.6612 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(77, 124, 4) }
```


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

```
.border{ border-color:rgb(77, 124, 4) }
```

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

Here you see how a box with a 4 pixel rgb(77, 124, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 124, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 124, 4);  
box-shadow:4px 4px 4px 4px rgb(77, 124, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2901, 16.0018, 2.6612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 124, 4) }
```

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

```
.background{ background-color: rgb(77, 124,  
4) }
```

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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