

Converting Colors

XYZ(16.2061, 21.0029, 3.5809)

Have a look what the booklet for
XYZ(16.2061, 21.0029, 3.5809)
contains.

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Color

**XYZ(16.2055, 21.0012,
3.5803)**

Conversions

Conversions Part 1

Format	Color
Hex	77860D
RGB	119, 134, 13
RGB Percent	47%, 53%, 5%
CMY	0.5333, 0.4745, 0.9490
CMYK	0.11, 0.00, 0.90, 0.47
HSL	67°, 82%, 29%
HSV	67°, 90%, 53%
XYZ	16.2055, 21.0012, 3.5803
YIQ	115.7210, 29.9010, -40.8110

Conversions

Conversions Part 2

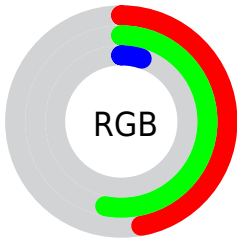
Format	Color
RYB	13, 134, 28
Decimal	7833101
CIELab	52.95, -19.95, 54.81
CIElCh	53, 58.324, 110.000
Yxy	21.0012, 0.3973, 0.5149
Android (android.graphics.Color)	4286023181 (0xFF77860D)
YUV	115.7210, -50.6415, 2.8757
Hunter-Lab	45.8271, -17.0757, 27.4468

Details

The XYZ color **16.2055, 21.0012, 3.5803** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.9266, 2.2564, 22.7314**, and the grayscale version is **16.6594, 17.5270, 19.0869**.

A 20% lighter version of the original color is **36.4285, 45.0204, 13.0731**, and **5.4851, 7.5339, 1.1651** is the 20% darker color. If you saturate the color by 10%, you get **15.9137, 20.8599, 3.1876**, and if you desaturate by 10%, it is **16.5544, 21.1681, 4.2148**.

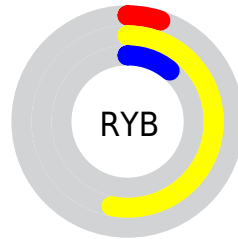
Distribution



Red (47%)

Green (53%)

Blue (5%)



Red (5%)

Yellow (53%)

Blue (11%)

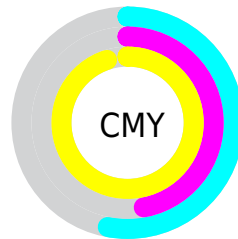


Cyan (11%)

Magenta (0%)

Yellow (90%)

Black (47%)



Cyan (53%)

Magenta (47%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2055, 21.0012, 3.5803 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 16.2055, 21.0012, 3.5803 by changing the saturation by 10% instead.

■ 16.2055, 21.0012,
3.5803

■ 16.2055, 21.0012,
3.5803

223.7979,
257.2849, 143.4395

■ 9.7615, 13.1249,
1.3980

■ 36.5092, 45.0895,
13.0296

■ 5.3021, 7.5146,
0.1402

■ 51.0995, 62.0703,
21.1338

■ 2.4622, 3.7860,
0.0000

■ 69.1360, 82.8547,
32.0490

■ 0.8762, 1.5546,
0.0000

■ 90.9839, 107.8272,
46.1937

■ 0.0000, 0.3267,
0.0000


■ 117.0088,
137.3720, 63.9866


■ 0.0000, 0.0000,
0.0000


■ 147.5758,


171.8736, 85.8462


 183.0504,
211.7165, 112.1910


 16.2055, 21.0012,
3.5803


 16.2055, 21.0012,
3.5803

 15.9137, 20.8599,
3.1876

 16.5544, 21.1681,
4.2148

 16.9772, 21.3643,
5.2194

 17.4830, 21.5941,
6.6401

 18.0792, 21.8605,
8.5157

 18.7723, 22.1662,
10.8805

■ 19.5683, 22.5135,
13.7658

■ 20.4726, 22.9047,
17.1999

■ 21.4902, 23.3416,
21.2094

■ 22.6260, 23.8262,
25.8190

Harmonies

Analogous

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



22.0720, 21.0012, 3.1571



16.2055, 21.0012, 3.5803



12.2443, 21.0012, 7.3383

Triad

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



16.2055, 21.0012, 3.5803



13.3200, 21.0012, 59.5517



33.9148, 21.0012, 29.2232

Complementary

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



16.2055, 21.0012, 3.5803



4.9266, 2.2564, 22.7314

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.



30.3844, 21.0012, 52.0399



16.2055, 21.0012, 3.5803



17.9891, 21.0012, 74.6041

Square

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



16.2055, 21.0012, 3.5803



10.8293, 21.0012, 36.4170



24.2560, 21.0012, 71.3138



33.1655, 21.0012, 13.1794

Rectangle

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



16.2055, 21.0012, 3.5803



10.8293, 21.0012, 13.1792



24.2560, 21.0012, 71.3138



33.1655, 21.0012, 36.4174

Sweetspot

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



16.2060, 21.0022, 3.5807



34.8862, 39.8426, 25.7878



10.2996, 5.8873, 0.9746



7.7625, 8.9341, 5.4470



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.2060, 21.0022, 3.5807



27.9501, 36.7063, 5.6119



10.4251, 18.0220, 3.3102



4.9844, 5.3945, 5.0079



14.9187, 19.5508, 2.9874



0.0556, 0.0698, 0.0105

Inverse Universe

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



4.9266, 2.2564, 22.7314



7.9016, 3.1976, 39.9391



8.4362, 4.0657, 22.8957



4.4842, 4.5702, 5.8465



4.2485, 1.7243, 21.2456



0.0179, 0.0076, 0.0738

Previews

White Background



This preview shows how the XYZ color 16.2055, 21.0012, 3.5803 looks on a white 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

Black Background



This preview shows how the XYZ color 16.2055, 21.0012, 3.5803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

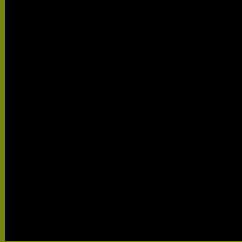
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2055, 21.0012, 3.5803

Background



This preview shows how black text looks on a background with the XYZ color 16.2055, 21.0012, 3.5803.



This preview shows how white text looks on a background with the XYZ color 16.2055, 21.0012,

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

16.2055, 21.0012, 3.5803

Protanopia

18.7995, 20.9514, 3.3404

Deuteranopia

21.1900, 20.8741, 3.8320



Tritanopia

20.6900, 21.0556, 25.5279

Trichromacy



Original Color

16.2055, 21.0012, 3.5803

Protanomaly

17.8746, 21.0578, 3.4391

Deuteranomaly

18.9706, 20.6507, 3.6956

Tritanomaly

18.0221, 20.5365, 12.6869

Monochromacy



Original Color

16.2055, 21.0012, 3.5803

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.8304, 18.5123, 10.1360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2055, 21.0012, 3.5803 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(119, 134, 13)` looks like.

```
.text, #text, p{  
    color:rgb(119, 134, 13)  
}
```

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(119, 134, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 134, 13) }
```

Border

The CSS property to change the border of an element to XYZ 16.2055, 21.0012, 3.5803 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(119, 134, 13) }
```


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

```
.border{ border-color:rgb(119, 134, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 134, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 134, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 134, 13);  
box-shadow:4px 4px 4px 4px rgb(119, 134,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2055, 21.0012, 3.5803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 134, 13) }
```

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

```
.background{ background-color: rgb(119,  
134, 13) }
```

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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