

Converting Colors

XYZ(16.6555, 16.9762, 3.1102)

Have a look what the booklet for
XYZ(16.6555, 16.9762, 3.1102)
contains.

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Color

**XYZ(16.6350, 16.9985,
3.1137)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 8C6F15 |
| RGB | 140, 111, 21 |
| RGB Percent | 55%, 44%, 8% |
| CMY | 0.4510, 0.5647, 0.9176 |
| CMYK | 0.00, 0.21, 0.85, 0.45 |
| HSL | 45°, 74%, 32% |
| HSV | 45°, 85%, 55% |
| XYZ | 16.6350, 16.9985, 3.1137 |
| YIQ | 109.4110, 46.1740, -21.8420 |

Conversions

Conversions Part 2

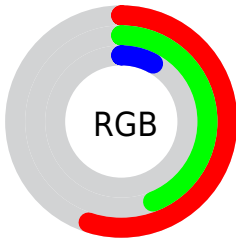
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 59, 140, 21 |
| Decimal | 9203477 |
| CIE Lab | 48.26, 2.71, 49.63 |
| CIE LCh | 48, 49.704, 86.877 |
| Yxy | 16.9985, 0.4527, 0.4626 |
| Android (android.graphics.Color) | 4287393557 (0xFF8C6F15) |
| YUV | 109.4110, -43.5866, 26.8266 |
| Hunter-Lab | 41.2292, -0.1307, 24.3828 |

Details

The XYZ color **16.6350, 16.9985, 3.1137** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.1834, 4.3339, 25.3213**, and the grayscale version is **14.7643, 15.5331, 16.9156**.

A 20% lighter version of the original color is **37.1823, 38.2054, 11.8932**, and **5.6711, 5.6452, 0.7907** is the 20% darker color. If you saturate the color by 10%, you get **16.1732, 16.2302, 2.4814**, and if you desaturate by 10%, it is **17.1828, 17.8253, 4.1253**.

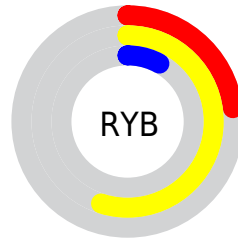
Distribution



Red (55%)

Green (44%)

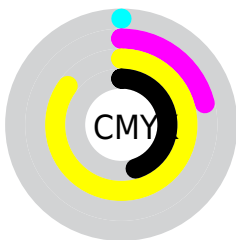
Blue (8%)



Red (23%)

Yellow (55%)

Blue (8%)

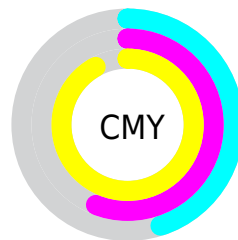


Cyan (0%)

Magenta (21%)

Yellow (85%)

Black (45%)



Cyan (45%)

Magenta (56%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6350, 16.9985, 3.1137 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 16.6350, 16.9985, 3.1137 by changing the saturation by 10% instead.

■ 16.6350, 16.9985,
3.1137

■ 16.6350, 16.9985,
3.1137

226.2576,
235.1637, 137.7958

■ 10.0683, 10.2334,
1.1530

■ 37.2458, 38.3232,
11.9077

■ 5.5069, 5.5540,
0.0000

■ 52.0205, 53.6516,
19.5781

■ 2.5854, 2.5758,
0.0000

■ 70.2620, 72.6032,
29.9888

■ 0.9385, 0.9145,
0.0000

■ 92.3355, 95.5625,
43.5584

■ 0.0000, 0.0000,
0.0000

■ 118.6065,
122.9138, 60.7053

■ 149.4403,

155.0415, 81.8482

185.2022,
192.3300, 107.4055

16.6350, 16.9985,
3.1137

16.6350, 16.9985,
3.1137

16.1732, 16.2302,
2.4814

17.1828, 17.8253,
4.1253

15.9574, 15.8601,
2.2203

17.8276, 18.7133,
5.5785

18.5787, 19.6670,
7.5199

19.4441, 20.6898,
9.9904

20.4306, 21.7849,
13.0262

■ 21.5449, 22.9550,
16.6605

■ 22.7927, 24.2027,
20.9238

■ 24.1797, 25.5305,
25.8447

■ 25.7110, 26.9406,
31.4497

Harmonies

Analogous

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



21.3907, 16.9985, 4.5029



16.6350, 16.9985, 3.1137



12.5347, 16.9985, 3.9945

Triad

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



16.6350, 16.9985, 3.1137



9.5738, 16.9985, 32.2085



24.5908, 16.9985, 35.7298

Complementary

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



16.6350, 16.9985, 3.1137



6.1834, 4.3339, 25.3213

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.



20.4164, 16.9985, 50.8053



16.6350, 16.9985, 3.1137



11.8546, 16.9985, 48.1913

Square

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



16.6350, 16.9985, 3.1137



8.9348, 16.9985, 17.1845



15.6874, 16.9985, 56.1879



26.4908, 16.9985, 19.8988

Rectangle

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



16.6350, 16.9985, 3.1137



10.6032, 16.9985, 6.1688



15.6874, 16.9985, 56.1879



23.3730, 16.9985, 41.2917

Sweetspot

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



16.6354, 16.9993, 3.1140



37.8753, 40.3587, 29.0072



11.6754, 6.3487, 3.7134



8.5821, 9.1493, 6.2030



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.6354, 16.9993, 3.1140



28.0041, 27.7025, 3.8711



15.9750, 22.1412, 4.1413



5.3296, 5.6420, 5.3605



14.1949, 14.1241, 1.9781



0.1057, 0.1166, 0.0169

Inverse Universe

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



6.1834, 4.3339, 25.3213



9.2506, 5.1482, 44.2491



6.3546, 3.1273, 25.0794



4.8672, 5.0774, 6.3294



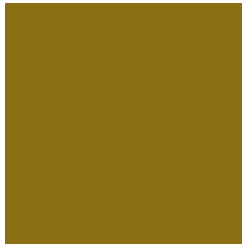
4.7309, 2.7322, 22.3237



0.0414, 0.0382, 0.1516

Previews

White Background



This preview shows how the XYZ color 16.6350, 16.9985, 3.1137 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



This preview shows how the XYZ color 16.6350, 16.9985, 3.1137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

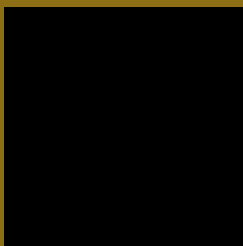
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

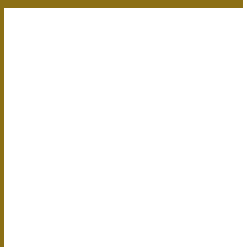
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6350, 16.9985, 3.1137

Background



This preview shows how black text looks on a background with the XYZ color 16.6350, 16.9985, 3.1137.



This preview shows how white text looks on a background with the XYZ color 16.6350, 16.9985,

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

16.6350, 16.9985, 3.1137

Protanopia

15.3288, 16.9865, 3.2299

Deuteranopia

17.2905, 17.0149, 3.1320



Tritanopia

19.5736, 16.9592, 17.2807

Trichromacy



Original Color

16.6350, 16.9985, 3.1137

Protanomaly

15.8350, 17.0791, 3.2211

Deuteranomaly

17.0484, 17.0494, 3.1514

Tritanomaly

18.0308, 16.7874, 9.4977

Monochromacy



Original Color

16.6350, 16.9985, 3.1137

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.6612, 15.6808, 9.2751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6350, 16.9985, 3.1137 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(140, 111, 21)` looks like.

```
.text, #text, p{  
    color:rgb(140, 111, 21)  
}
```

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(140, 111, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 111, 21) }
```

Border

The CSS property to change the border of an element to XYZ 16.6350, 16.9985, 3.1137 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(140, 111, 21) }
```


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

```
.border{ border-color:rgb(140, 111, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 111, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 111, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 111, 21);  
box-shadow:4px 4px 4px 4px rgb(140, 111,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6350, 16.9985, 3.1137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 111, 21) }
```

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

```
.background{ background-color: rgb(140,  
111, 21) }
```

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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