

Converting Colors

XYZ(16.1288, 21.9227, 7.6930)

Have a look what the booklet for
XYZ(16.1288, 21.9227, 7.6930)
contains.

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Color

**XYZ(16.1116, 21.9173,
7.6563)**

Conversions

Conversions Part 1

Format	Color
Hex	6B8B3C
RGB	107, 139, 60
RGB Percent	42%, 55%, 24%
CMY	0.5804, 0.4549, 0.7647
CMYK	0.23, 0.00, 0.57, 0.45
HSL	84°, 40%, 39%
HSV	84°, 57%, 55%
XYZ	16.1116, 21.9173, 7.6563
YIQ	120.4260, 6.2870, -31.3530

Conversions

Conversions Part 2

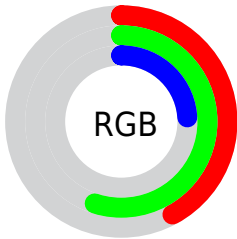
Format	Color
R_{YB}	60, 139, 92
Decimal	7047996
CIE _{Lab}	53.94, -24.74, 38.03
CIE _{LCh}	54, 45.375, 123.047
Yxy	21.9173, 0.3527, 0.4797
Android (android.graphics.Color)	4285238076 (0xFF6B8B3C)
YUV	120.4260, -29.7900, -11.7746
Hunter-Lab	46.8159, -20.4975, 23.0748

Details

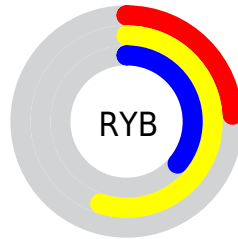
The XYZ color **16.1116, 21.9173, 7.6563** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.6907, 7.3718, 25.2869**, and the grayscale version is **18.0809, 19.0225, 20.7155**.

A 20% lighter version of the original color is **36.3816, 46.7393, 21.8559**, and **5.2526, 8.0052, 1.5268** is the 20% darker color. If you saturate the color by 10%, you get **15.1364, 21.4523, 5.9383**, and if you desaturate by 10%, it is **17.2285, 22.4456, 9.8858**.

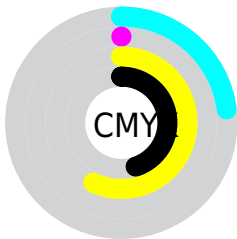
Distribution



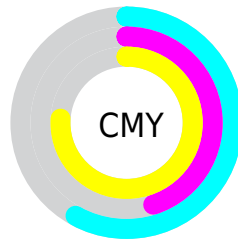
- Red (42%)
- Green (55%)
- Blue (24%)



- Red (24%)
- Yellow (55%)
- Blue (36%)



- Cyan (23%)
- Magenta (0%)
- Yellow (57%)
- Black (45%)



- Cyan (58%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1116, 21.9173, 7.6563 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 16.1116, 21.9173, 7.6563 by changing the saturation by 10% instead.

■ 16.1116, 21.9173,
7.6563

■ 16.1116, 21.9173,
7.6563

223.2568,
262.1141, 182.8436

■ 9.6945, 13.7961,
3.7912

■ 36.3477, 46.6093,
21.8168

■ 5.2576, 7.9790,
1.5115

■ 50.8975, 63.9489,
32.9493

■ 2.4355, 4.0815,
0.2265

■ 68.8888, 85.1301,
47.3413

■ 0.8628, 1.7193,
0.0000

■ 90.6871, 110.5373,
65.4114

■ 0.0000, 0.4361,
0.0000

■ 116.6577,
140.5549, 87.5782

■ 0.0000, 0.0000,
0.0000

■ 147.1659,

175.5673, 114.2601

182.5772,
215.9589, 145.8757

■ 16.1116, 21.9173,
7.6563

■ 16.1116, 21.9173,
7.6563

■ 15.1364, 21.4523,
5.9383

■ 17.2285, 22.4456,
9.8858

■ 14.2928, 21.0442,
4.6896

■ 18.4932, 23.0375,
12.6618

■ 13.5715, 20.6899,
3.8635

■ 19.9134, 23.6968,
16.0178

■ 12.9560, 20.3827,
3.3778

■ 21.4956, 24.4263,
19.9843

■ 12.7733, 20.2912,
3.2434

■ 23.2458, 25.2284,
24.5894

■ 25.1700, 26.1057,
29.8599

■ 27.2734, 27.0603,
35.8207

■ 29.5614, 28.0945,
42.4955

■ 32.0389, 29.2102,
49.9069

Harmonies

Analogous

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



20.3358, 21.9173, 5.8049



16.1116, 21.9173, 7.6563



13.5215, 21.9173, 13.6176

Triad

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



16.1116, 21.9173, 7.6563



16.8523, 21.9173, 56.8331



31.7077, 21.9173, 22.4608

Complementary

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



16.1116, 21.9173, 7.6563



10.6907, 7.3718, 25.2869

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.



30.3919, 21.9173, 38.2762



16.1116, 21.9173, 7.6563



21.3357, 21.9173, 62.1410

Square

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



16.1116, 21.9173, 7.6563



13.8998, 21.9173, 41.7760



26.3940, 21.9173, 54.3176



29.7533, 21.9173, 11.9817

Rectangle

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



16.1116, 21.9173, 7.6563



12.8199, 21.9173, 20.7492



26.3940, 21.9173, 54.3176



31.6338, 21.9173, 27.2764

Sweetspot

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



16.1121, 21.9183, 7.6568



38.3335, 43.6676, 35.3772



15.2566, 13.4012, 6.0579



8.7157, 10.0082, 7.8525



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.



16.1121, 21.9183, 7.6568



26.6834, 38.2122, 9.9638



12.4259, 20.0180, 7.4843



5.2383, 5.7456, 5.3853



11.5475, 18.3230, 2.9281



0.0933, 0.1303, 0.0202

Inverse Universe

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



10.6907, 7.3718, 25.2869



16.0168, 9.5342, 44.7391



15.6525, 9.9297, 25.5191



4.9540, 4.9847, 6.3069



5.7123, 2.4589, 22.2192



0.0538, 0.0245, 0.1483

Previews

White Background



This preview shows how the XYZ color 16.1116, 21.9173, 7.6563 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 16.1116, 21.9173, 7.6563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

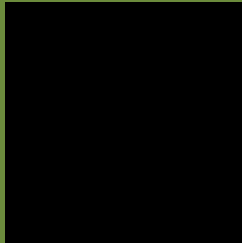
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.1116, 21.9173, 7.6563

Background



This preview shows how black text looks on a background with the XYZ color 16.1116, 21.9173, 7.6563.



This preview shows how white text looks on a background with the XYZ color 16.1116, 21.9173,

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

16.1116, 21.9173, 7.6563

Protanopia

19.9165, 21.8356, 7.0359

Deuteranopia

22.0142, 21.5698, 8.0041



Tritanopia

20.3952, 22.0072, 28.3722

Trichromacy



Original Color

16.1116, 21.9173, 7.6563

Protanomaly

18.3572, 21.8264, 7.2484

Deuteranomaly

19.2638, 21.2862, 7.7960

Tritanomaly

18.3892, 21.7975, 18.5674

Monochromacy



Original Color

16.1116, 21.9173, 7.6563

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.8642, 19.7054, 14.4700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1116, 21.9173, 7.6563 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(107, 139, 60)` looks like.

```
.text, #text, p{  
    color:rgb(107, 139, 60)  
}
```

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(107, 139, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 139, 60) }
```

Border

The CSS property to change the border of an element to XYZ 16.1116, 21.9173, 7.6563 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(107, 139, 60) }
```


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

```
.border{ border-color:rgb(107, 139, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 139, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 139, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 139, 60);  
box-shadow:4px 4px 4px 4px rgb(107, 139,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1116, 21.9173, 7.6563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 139, 60) }
```

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

```
.background{ background-color: rgb(107,  
139, 60) }
```

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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