

Converting Colors

XYZ(16.4223, 23.0029, 7.9564)

Have a look what the booklet for
XYZ(16.4223, 23.0029, 7.9564)
contains.

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Color

**XYZ(16.3737, 22.9249,
7.9768)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 688F3D |
| RGB | 104, 143, 61 |
| RGB Percent | 41%, 56%, 24% |
| CMY | 0.5922, 0.4392, 0.7608 |
| CMYK | 0.27, 0.00, 0.57, 0.44 |
| HSL | 89°, 40%, 40% |
| HSV | 89°, 57%, 56% |
| XYZ | 16.3737, 22.9249, 7.9768 |
| YIQ | 121.9910, 3.0780, -33.7700 |

Conversions

Conversions Part 2

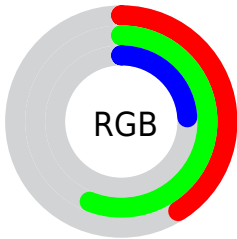
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 61, 143, 100 |
| Decimal | 6852413 |
| CIELab | 54.99, -27.80, 38.72 |
| CIELCh | 55, 47.667, 125.681 |
| Yxy | 22.9249, 0.3463, 0.4849 |
| Android (android.graphics.Color) | 4285042493 (0xFF688F3D) |
| YUV | 121.9910, -30.0686, -15.7781 |
| Hunter-Lab | 47.8800, -22.7476, 23.6383 |

Details

The XYZ color **16.3737, 22.9249, 7.9768** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.8831, 8.0306, 26.9116**, and the grayscale version is **18.5907, 19.5588, 21.2996**.

A 20% lighter version of the original color is **36.7401, 48.2483, 22.4154**, and **5.3447, 8.4309, 1.6041** is the 20% darker color. If you saturate the color by 10%, you get **15.2810, 22.4010, 6.1763**, and if you desaturate by 10%, it is **17.6340, 23.5247, 10.3223**.

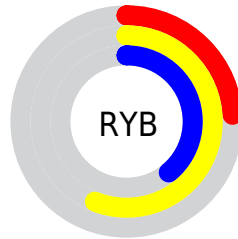
Distribution



Red (41%)

Green (56%)

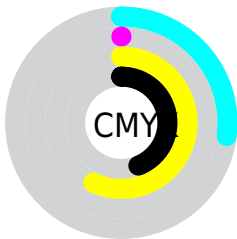
Blue (24%)



Red (24%)

Yellow (56%)

Blue (39%)

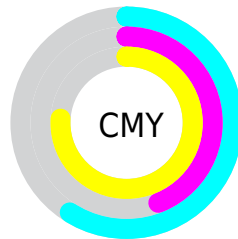


Cyan (27%)

Magenta (0%)

Yellow (57%)

Black (44%)



Cyan (59%)

Magenta (44%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3737, 22.9249, 7.9768 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 16.3737, 22.9249, 7.9768 by changing the saturation by 10% instead.

■ 16.3737, 22.9249,
7.9768

■ 16.3737, 22.9249,
7.9768

224.7642,
267.3390, 185.4777

■ 9.8815, 14.5381,
3.9925

■ 36.7980, 48.2700,
22.4584

■ 5.3821, 8.4958,
1.6213

■ 51.4608, 65.9970,
33.7928

■ 2.5102, 4.4138,
0.3059

■ 69.5778, 87.6062,
48.4143

■ 0.9004, 1.9076,
0.0000

■ 91.5145, 113.4821,
66.7415

■ 0.0000, 0.5530,
0.0000

■ 117.6361,
144.0088, 89.1929

■ 0.0000, 0.0000,
0.0000

■ 148.3080,

179.5710, 116.1870

183.8956,
220.5529, 148.1425

■ 16.3737, 22.9249,
7.9768

■ 16.3737, 22.9249,
7.9768

■ 15.2810, 22.4010,
6.1763

■ 17.6340, 23.5247,
10.3223

■ 14.3443, 21.9460,
4.8753

■ 19.0691, 24.2012,
13.2507

■ 13.5529, 21.5561,
4.0230

■ 20.6876, 24.9588,
16.7981

■ 12.8877, 21.2234,
3.5264

■ 22.4973, 25.8006,
20.9972

■ 12.7234, 21.1412,
3.4101

■ 24.5051, 26.7297,
25.8787

■ 26.7178, 27.7489,
31.4711

■ 29.1417, 28.8609,
37.8012

■ 31.7829, 30.0682,
44.8947

■ 34.6471, 31.3733,
52.7758

Harmonies

Analogous

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



20.7970, 22.9249, 5.7355



16.3737, 22.9249, 7.9768



13.7654, 22.9249, 14.7750

Triad

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



16.3737, 22.9249, 7.9768



17.8594, 22.9249, 62.0804



33.5734, 22.9249, 22.1847

Complementary

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



16.3737, 22.9249, 7.9768



11.8831, 8.0306, 26.9116

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.



32.4476, 22.9249, 38.9996



16.3737, 22.9249, 7.9768



22.8129, 22.9249, 66.6766

Square

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



16.3737, 22.9249, 7.9768



14.5209, 22.9249, 46.1259



28.2843, 22.9249, 56.9312



31.1509, 22.9249, 11.5233

Rectangle

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



16.3737, 22.9249, 7.9768



13.1315, 22.9249, 22.8287



28.2843, 22.9249, 56.9312



33.6015, 22.9249, 27.2227

Sweetspot

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



16.3743, 22.9259, 7.9773



40.2814, 46.1999, 37.5870



16.6580, 15.1517, 6.4618



9.1008, 10.5313, 8.2961



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.3743, 22.9259, 7.9773



26.8126, 39.8478, 10.2422



12.7625, 21.0640, 7.8083



5.5958, 6.1597, 5.7834



11.2737, 18.7044, 3.0161



0.1332, 0.1920, 0.0300

Inverse Universe

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



11.8831, 8.0306, 26.9116



17.9574, 10.4559, 47.6098



17.4878, 10.9199, 27.1739



5.3583, 5.3729, 6.7834



6.5165, 2.8530, 23.1843



0.0875, 0.0402, 0.2228

Previews

White Background



This preview shows how the XYZ color 16.3737, 22.9249, 7.9768 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 16.3737, 22.9249, 7.9768 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 16.3737, 22.9249, 7.9768

Background



This preview shows how black text looks on a background with the XYZ color 16.3737, 22.9249, 7.9768.



This preview shows how white text looks on a background with the XYZ color 16.3737, 22.9249,

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

16.3737, 22.9249, 7.9768

Protanopia

20.7089, 22.6390, 7.1492

Deuteranopia

23.0149, 22.6376, 8.3107



Tritanopia

20.8384, 22.8075, 30.0921

Trichromacy



Original Color

16.3737, 22.9249, 7.9768

Protanomaly

18.7878, 22.4587, 7.3477

Deuteranomaly

19.9919, 22.4481, 8.1297

Tritanomaly

18.6650, 22.5510, 19.2886

Monochromacy



Original Color

16.3737, 22.9249, 7.9768

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.3531, 20.5302, 15.1047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3737, 22.9249, 7.9768 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(104, 143, 61)` looks like.

```
.text, #text, p{  
    color:rgb(104, 143, 61)  
}
```

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(104, 143, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 143, 61) }
```

Border

The CSS property to change the border of an element to XYZ 16.3737, 22.9249, 7.9768 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(104, 143, 61) }
```


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

```
.border{ border-color:rgb(104, 143, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 143, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 143, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 143, 61);  
box-shadow:4px 4px 4px 4px rgb(104, 143,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3737, 22.9249, 7.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 143, 61) }
```

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

```
.background{ background-color: rgb(104,  
143, 61) }
```

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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