

Converting Colors

XYZ(16.7767, 22.1114, 3.7629)

Have a look what the booklet for
XYZ(16.7767, 22.1114, 3.7629)
contains.

XYZ(16.7689, 22.1280, 3.7681)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7689, 22.1280,
3.7681)**

Conversions

Conversions Part 1

Format	Color
Hex	778A0D
RGB	119, 138, 13
RGB Percent	47%, 54%, 5%
CMY	0.5333, 0.4588, 0.9490
CMYK	0.14, 0.00, 0.91, 0.46
HSL	69°, 83%, 30%
HSV	69°, 91%, 54%
XYZ	16.7689, 22.1280, 3.7681
YIQ	118.0690, 28.8010, -42.9030

Conversions

Conversions Part 2

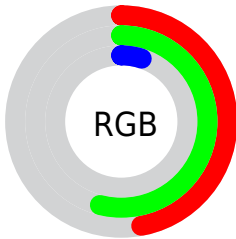
Format	Color
R_{YB}	13, 138, 32
Decimal	7834125
CIE Lab	54.16, -21.99, 55.79
CIE LCh	54, 59.973, 111.514
Yxy	22.1280, 0.3930, 0.5186
Android (android.graphics.Color)	4286024205 (0xFF778A0D)
YUV	118.0690, -51.7990, 0.8165
Hunter-Lab	47.0404, -18.6893, 28.1790

Details

The XYZ color **16.7689, 22.1280, 3.7681** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.3278, 2.4305, 24.2345**, and the grayscale version is **17.3933, 18.2991, 19.9277**.

A 20% lighter version of the original color is **37.2890, 46.7413, 13.3600**, and **5.7365, 8.1377, 1.2684** is the 20% darker color. If you saturate the color by 10%, you get **16.4280, 21.9614, 3.3731**, and if you desaturate by 10%, it is **17.1835, 22.3283, 4.4295**.

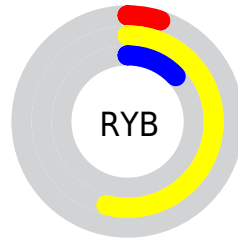
Distribution



Red (47%)

Green (54%)

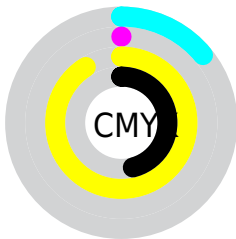
Blue (5%)



Red (5%)

Yellow (54%)

Blue (13%)

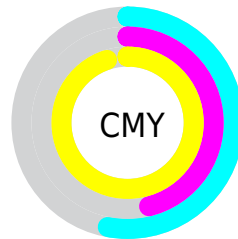


Cyan (14%)

Magenta (0%)

Yellow (91%)

Black (46%)



Cyan (53%)

Magenta (46%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7689, 22.1280, 3.7681 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 16.7689, 22.1280, 3.7681 by changing the saturation by 10% instead.

■ 16.7689, 22.1280,
3.7681

■ 16.7689, 22.1280,
3.7681

227.0194,
263.2140, 145.6118

■ 10.1641, 13.9510,
1.4990

■ 37.4748, 46.9575,
13.4713

■ 5.5710, 8.0866,
0.2172

■ 52.3066, 64.3787,
21.7425

■ 2.6242, 4.1504,
0.0000

■ 70.6115, 85.6501,
32.8514

■ 0.9583, 1.7580,
0.0000

■ 92.7548, 111.1561,
47.2167


■ 0.0000, 0.4608,
0.0000


■ 119.1019,
141.2811, 65.2569


■ 0.0000, 0.0000,
0.0000


■ 150.0181,


176.4095, 87.3904


 185.8688,
216.9257, 114.0359


 16.7689, 22.1280,
3.7681


 16.7689, 22.1280,
3.7681


 16.4280, 21.9614,
3.3731

 17.1835, 22.3283,
4.4295

 17.6789, 22.5608,
5.4852

 18.2650, 22.8304,
6.9848

 18.9498, 23.1402,
8.9703

 19.7404, 23.4930,
11.4790

■ 20.6432, 23.8915,
14.5444

■ 21.6641, 24.3380,
18.1971

■ 22.8085, 24.8347,
22.4659

■ 24.0816, 25.3836,
27.3772

Harmonies

Analogous

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



22.9329, 22.1280, 3.1896



16.7689, 22.1280, 3.7681



12.6794, 22.1280, 7.9658

Triad

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



16.7689, 22.1280, 3.7681



14.1667, 22.1280, 64.4371



35.9934, 22.1280, 29.7777

Complementary

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



16.7689, 22.1280, 3.7681



5.3278, 2.4305, 24.2345

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.



32.4253, 22.1280, 53.9820



16.7689, 22.1280, 3.7681



19.2392, 22.1280, 79.7552

Square

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



16.7689, 22.1280, 3.7681



11.4069, 22.1280, 39.7696



25.9625, 22.1280, 75.1717



34.9523, 22.1280, 13.1964

Rectangle

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



16.7689, 22.1280, 3.7681



11.2571, 22.1280, 14.4241



25.9625, 22.1280, 75.1717



35.2706, 22.1280, 37.3352

Sweetspot

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



16.7694, 22.1290, 3.7686



36.9020, 42.3373, 27.4536



11.0646, 6.4527, 1.0434



8.1651, 9.4470, 5.7643



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7694, 22.1290, 3.7686



28.8497, 38.6540, 5.9404



10.8352, 19.0698, 3.4908



5.3576, 5.8071, 5.3909



15.0710, 20.1394, 3.0930



0.1095, 0.1386, 0.0210

Inverse Universe

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



5.3278, 2.4305, 24.2345



8.5419, 3.4694, 42.6026



9.3741, 4.5164, 24.4238



4.8409, 4.9264, 6.3016



4.4978, 1.8328, 22.1624



0.0376, 0.0162, 0.1476

Previews

White Background



This preview shows how the XYZ color 16.7689, 22.1280, 3.7681 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 16.7689, 22.1280, 3.7681 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 16.7689, 22.1280, 3.7681

Background



This preview shows how black text looks on a background with the XYZ color 16.7689, 22.1280, 3.7681.



This preview shows how white text looks on a background with the XYZ color 16.7689, 22.1280,

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

16.7689, 22.1280, 3.7681

Protanopia

19.8860, 22.0960, 3.4753

Deuteranopia

22.3737, 22.0270, 4.0497



Tritanopia

21.5125, 22.0191, 27.1610

Trichromacy



Original Color

16.7689, 22.1280, 3.7681

Protanomaly

18.5957, 22.0312, 3.5595

Deuteranomaly

19.8872, 21.6955, 3.8490

Tritanomaly

18.8312, 21.7285, 13.5574

Monochromacy



Original Color

16.7689, 22.1280, 3.7681

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.2528, 19.0980, 10.4191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7689, 22.1280, 3.7681 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, 138, 13)` looks like.

```
.text, #text, p{  
    color:rgb(119, 138, 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, 138, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 138, 13) }
```

Border

The CSS property to change the border of an element to XYZ 16.7689, 22.1280, 3.7681 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, 138, 13) }
```


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

```
.border{ border-color:rgb(119, 138, 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, 138, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 138, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 138, 13);  
box-shadow:4px 4px 4px 4px rgb(119, 138,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7689, 22.1280, 3.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 138, 13) }
```

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

```
.background{ background-color: rgb(119,  
138, 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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