

Converting Colors

XYZ(17.1658, 22.8252, 3.5010)

Have a look what the booklet for
XYZ(17.1658, 22.8252, 3.5010)
contains.

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Color

**XYZ(17.1238, 22.7492,
3.4885)**

Conversions

Conversions Part 1

Format	Color
Hex	788C00
RGB	120, 140, 0
RGB Percent	47%, 55%, 0%
CMY	0.5294, 0.4510, 1.0000
CMYK	0.14, 0.00, 1.00, 0.45
HSL	69°, 100%, 27%
HSV	69°, 100%, 55%
XYZ	17.1238, 22.7492, 3.4885
YIQ	118.0600, 33.0200, -47.7800

Conversions

Conversions Part 2

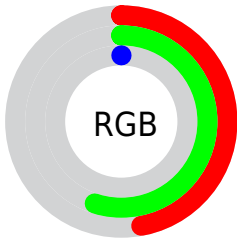
Format	Color
RYB	0, 140, 20
Decimal	7900160
CIELab	54.81, -22.83, 58.57
CIELCh	55, 62.863, 111.298
Yxy	22.7492, 0.3949, 0.5246
Android (android.graphics.Color)	4286090240 (0xFF788C00)
YUV	118.0600, -58.2036, 1.7014
Hunter-Lab	47.6961, -19.3834, 29.0508

Details

The XYZ color **17.1238, 22.7492, 3.4885** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.0228, 2.0426, 24.9418**, and the grayscale version is **17.4090, 18.3156, 19.9457**.

A 20% lighter version of the original color is **38.2705, 48.2434, 12.9251**, and **5.9709, 8.5056, 1.3270** is the 20% darker color. If you saturate the color by 10%, you get **17.1241, 22.7501, 3.4887**, and if you desaturate by 10%, it is **17.4840, 22.9265, 3.9196**.

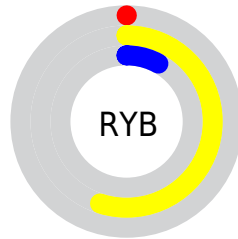
Distribution



Red (47%)

Green (55%)

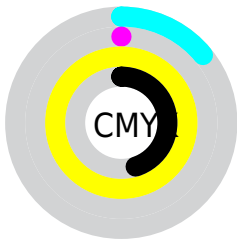
Blue (0%)



Red (0%)

Yellow (55%)

Blue (8%)

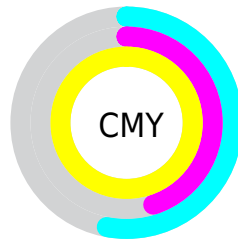


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (53%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1238, 22.7492, 3.4885 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 17.1238, 22.7492, 3.4885 by changing the saturation by 10% instead.

■ 17.1238, 22.7492,
3.4885

■ 17.1238, 22.7492,
3.4885

229.0272,
266.4342, 142.3581

■ 10.4186, 14.4084,
1.3492

■ 38.0804, 47.9812,
12.8118

■ 5.7418, 8.4053,
0.1016

■ 53.0626, 65.6412,
20.8328

■ 2.7279, 4.3554,
0.0000

■ 71.5345, 87.1764,
31.6514

■ 1.0115, 1.8743,
0.0000

■ 93.8614, 112.9712,
45.6862


■ 0.0000, 0.5328,
0.0000


■ 120.4088,
143.4100, 63.3558


■ 0.0000, 0.0000,
0.0000


■ 151.5420,


178.8771, 85.0785


 187.6263,
219.7571, 111.2731


 17.1238, 22.7492,
3.4885


 17.1238, 22.7492,
3.4885


 17.1241, 22.7501,
3.4887

 17.4840, 22.9265,
3.9196

 17.9006, 23.1262,
4.6196

 18.4011, 23.3601,
5.7306

 18.9950, 23.6321,
7.3032

 19.6907, 23.9455,
9.3804

■ 20.4954, 24.3032,
12.0007

■ 21.4158, 24.7079,
15.1987

■ 22.4579, 25.1619,
19.0060

■ 23.6273, 25.6675,
23.4521

Harmonies

Analogous

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



23.7072, 22.7492, 2.9328



17.1238, 22.7492, 3.4885



12.7823, 22.7492, 7.7220

Triad

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



17.1238, 22.7492, 3.4885



14.2986, 22.7492, 68.2349



37.6993, 22.7492, 31.0210

Complementary

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



17.1238, 22.7492, 3.4885



5.0228, 2.0426, 24.9418

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.



33.8141, 22.7492, 57.2217



17.1238, 22.7492, 3.4885



19.6636, 22.7492, 85.1057

Square

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



17.1238, 22.7492, 3.4885



11.4109, 22.7492, 41.4286



26.8471, 22.7492, 80.2536



36.6109, 22.7492, 13.3096

Rectangle

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



17.1238, 22.7492, 3.4885



11.2762, 22.7492, 14.4159



26.8471, 22.7492, 80.2536



36.9059, 22.7492, 39.1748

Sweetspot

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



17.1243, 22.7502, 3.4890



37.6451, 43.5107, 26.4025



11.0433, 6.0306, 0.5823



8.5306, 9.9629, 5.5774



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.



17.1243, 22.7502, 3.4890



30.0861, 40.0544, 6.1456



10.7611, 19.4699, 3.1912



5.3620, 5.8094, 5.3911



15.2272, 20.2199, 3.1003



0.1101, 0.1389, 0.0210

Inverse Universe

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



5.0228, 2.0426, 24.9418



8.7683, 3.5562, 43.9672



8.8225, 4.0014, 25.1196



4.8369, 4.9243, 6.3014



4.4736, 1.8203, 22.1613



0.0371, 0.0159, 0.1476

Previews

White Background



This preview shows how the XYZ color 17.1238, 22.7492, 3.4885 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 17.1238, 22.7492, 3.4885 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 17.1238, 22.7492, 3.4885

Background



This preview shows how black text looks on a background with the XYZ color 17.1238, 22.7492, 3.4885.



This preview shows how white text looks on a background with the XYZ color 17.1238, 22.7492,

3.4885.

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

17.1238, 22.7492, 3.4885

Protanopia

20.3290, 22.5285, 3.2770

Deuteranopia

22.8896, 22.4806, 3.9969



Tritanopia

22.0763, 22.6840, 28.0258

Trichromacy



Original Color

17.1238, 22.7492, 3.4885

Protanomaly

19.0063, 22.4535, 3.3322

Deuteranomaly

20.4633, 22.3893, 3.6950

Tritanomaly

19.0807, 22.2835, 12.7467

Monochromacy



Original Color

17.1238, 22.7492, 3.4885

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.3386, 19.3516, 9.5307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1238, 22.7492, 3.4885 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(120, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 140, 0)  
}
```

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(120, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.1238, 22.7492, 3.4885 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(120, 140, 0) }
```


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

```
.border{ border-color:rgb(120, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 140,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1238, 22.7492, 3.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 140, 0) }
```

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

```
.background{ background-color: rgb(120,  
140, 0) }
```

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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