

Converting Colors

XYZ(17.6165, 23.0575, 3.5221)

Have a look what the booklet for
XYZ(17.6165, 23.0575, 3.5221)
contains.

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Color

**XYZ(17.5465, 22.9671,
3.5083)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8C00
RGB	123, 140, 0
RGB Percent	48%, 55%, 0%
CMY	0.5176, 0.4510, 1.0000
CMYK	0.12, 0.00, 1.00, 0.45
HSL	67°, 100%, 27%
HSV	67°, 100%, 55%
XYZ	17.5465, 22.9671, 3.5083
YIQ	118.9570, 34.8080, -47.1440

Conversions

Conversions Part 2

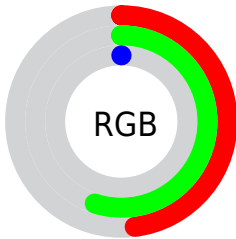
Format	Color
RYB	0, 140, 17
Decimal	8096768
CIELab	55.04, -21.50, 58.84
CIElCh	55, 62.643, 110.073
Yxy	22.9671, 0.3986, 0.5217
Android (android.graphics.Color)	4286286848 (0xFF7B8C00)
YUV	118.9570, -58.6458, 3.5457
Hunter-Lab	47.9240, -18.5125, 29.2064

Details

The XYZ color **17.5465, 22.9671, 3.5083** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.9654, 2.0131, 24.9391**, and the grayscale version is **17.6940, 18.6154, 20.2722**.

A 20% lighter version of the original color is **38.7345, 48.1533, 12.8832**, and **6.1820, 8.6144, 1.3369** is the 20% darker color. If you saturate the color by 10%, you get **17.5468, 22.9680, 3.5085**, and if you desaturate by 10%, it is **17.8717, 23.1264, 3.9378**.

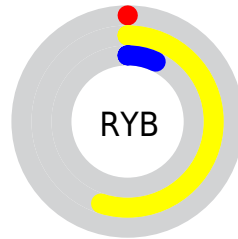
Distribution



Red (48%)

Green (55%)

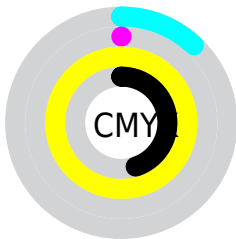
Blue (0%)



Red (0%)

Yellow (55%)

Blue (7%)

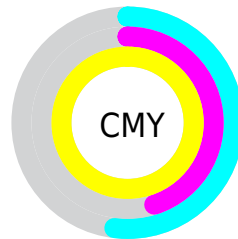


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (52%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5465, 22.9671, 3.5083 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 17.5465, 22.9671, 3.5083 by changing the saturation by 10% instead.

■ 17.5465, 22.9671,
3.5083

■ 17.5465, 22.9671,
3.5083

231.3977,
267.5560, 142.5924

■ 10.7226, 14.5692,
1.3597

■ 38.7992, 48.3393,
12.8589

■ 5.9465, 8.5176,
0.1100

■ 53.9587, 66.0824,
20.8979

■ 2.8529, 4.4279,
0.0000

■ 72.6275, 87.7094,
31.7375

■ 1.0765, 1.9157,
0.0000

■ 95.1709, 113.6046,
45.7961


■ 0.0053, 0.5578,
0.0000


■ 121.9543,
144.1525, 63.4924


■ 0.0000, 0.0000,
0.0000


■ 153.3429,


179.7374, 85.2449


 189.7023,
220.7438, 111.4720


 17.5465, 22.9671,
3.5083


 17.5465, 22.9671,
3.5083


 17.5468, 22.9680,
3.5085

 17.8717, 23.1264,
3.9378

 18.2518, 23.3072,
4.6361

 18.7141, 23.5215,
5.7454

 19.2683, 23.7730,
7.3160

 19.9225, 24.0650,
9.3914

■ 20.6842, 24.4005,
12.0097

■ 21.5599, 24.7821,
15.2056

■ 22.5557, 25.2123,
19.0108

■ 23.6770, 25.6932,
23.4547

Harmonies

Analogous

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



24.2217, 22.9671, 3.0552



17.5465, 22.9671, 3.5083



13.0828, 22.9671, 7.5800

Triad

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



17.5465, 22.9671, 3.5083



14.3103, 22.9671, 67.4820



37.8650, 22.9671, 32.2226

Complementary

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



17.5465, 22.9671, 3.5083



4.9654, 2.0131, 24.9391

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.



33.8001, 22.9671, 58.6025



17.5465, 22.9671, 3.5083



19.6003, 22.9671, 85.0427

Square

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



17.5465, 22.9671, 3.5083



11.5087, 22.9671, 40.6237



26.7583, 22.9671, 81.1326



36.9866, 22.9671, 14.0144

Rectangle

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



17.5465, 22.9671, 3.5083



11.5011, 22.9671, 14.0769



26.7583, 22.9671, 81.1326



37.0032, 22.9671, 40.4970

Sweetspot

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



17.5470, 22.9682, 3.5088



37.9042, 43.6443, 26.4147



11.0063, 5.9566, 0.5700



8.5971, 9.9972, 5.5806



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.



17.5470, 22.9682, 3.5088



30.8440, 40.4451, 6.1810



10.8826, 19.5325, 3.1969



5.3723, 5.8147, 5.3916



15.6012, 20.4127, 3.1178



0.1114, 0.1396, 0.0211

Inverse Universe

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



4.9654, 2.0131, 24.9391



8.6763, 3.5087, 43.9629



8.6031, 3.8884, 25.1094



4.8275, 4.9195, 6.3010



4.4215, 1.7935, 22.1588



0.0357, 0.0152, 0.1475

Previews

White Background



This preview shows how the XYZ color 17.5465, 22.9671, 3.5083 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 17.5465, 22.9671, 3.5083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

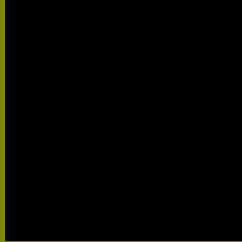
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5465, 22.9671, 3.5083

Background



This preview shows how black text looks on a background with the XYZ color 17.5465, 22.9671, 3.5083.



This preview shows how white text looks on a background with the XYZ color 17.5465, 22.9671,

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

17.5465, 22.9671, 3.5083

Protanopia

20.6457, 22.8921, 3.3305

Deuteranopia

23.2244, 22.8402, 4.0487



Tritanopia

22.5478, 22.9270, 28.0479

Trichromacy



Original Color

17.5465, 22.9671, 3.5083

Protanomaly

19.4792, 22.9034, 3.3941

Deuteranomaly

20.6465, 22.4838, 3.7036

Tritanomaly

19.5342, 22.5173, 12.7679

Monochromacy



Original Color

17.5465, 22.9671, 3.5083

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.6396, 19.6936, 9.7617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5465, 22.9671, 3.5083 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(123, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.5465, 22.9671, 3.5083 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(123, 140, 0) }
```


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

```
.border{ border-color:rgb(123, 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(123, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 140,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5465, 22.9671, 3.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 140, 0) }
```

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

```
.background{ background-color: rgb(123,  
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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