

Converting Colors

XYZ(17.6502, 22.8646, 7.2033)

Have a look what the booklet for
XYZ(17.6502, 22.8646, 7.2033)
contains.

XYZ(17.6996, 22.9636, 7.2409)	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(17.6996, 22.9636,
7.2409)**

Conversions

Conversions Part 1

Format	Color
Hex	778C38
RGB	119, 140, 56
RGB Percent	47%, 55%, 22%
CMY	0.5333, 0.4510, 0.7804
CMYK	0.15, 0.00, 0.60, 0.45
HSL	75°, 43%, 38%
HSV	75°, 60%, 55%
XYZ	17.6996, 22.9636, 7.2409
YIQ	124.1450, 14.4480, -30.5760

Conversions

Conversions Part 2

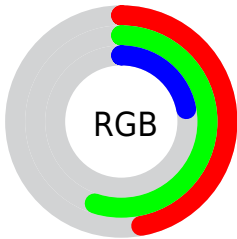
Format	Color
RYB	56, 140, 77
Decimal	7834680
CIELab	55.03, -20.66, 41.44
CIELCh	55, 46.308, 116.495
Yxy	22.9636, 0.3695, 0.4794
Android (android.graphics.Color)	4286024760 (0xFF778C38)
YUV	124.1450, -33.5955, -4.5122
Hunter-Lab	47.9204, -17.9308, 24.5854

Details

The XYZ color **17.6996, 22.9636, 7.2409** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.2092, 6.3001, 25.5429**, and the grayscale version is **19.3122, 20.3180, 22.1263**.

A 20% lighter version of the original color is **39.1269, 48.5084, 20.9365**, and **6.0510, 8.5457, 1.3880** is the 20% darker color. If you saturate the color by 10%, you get **16.9326, 22.6031, 5.6611**, and if you desaturate by 10%, it is **18.5812, 23.3736, 9.3270**.

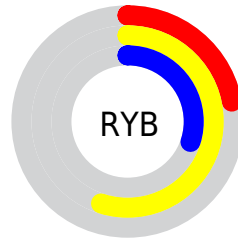
Distribution



Red (47%)

Green (55%)

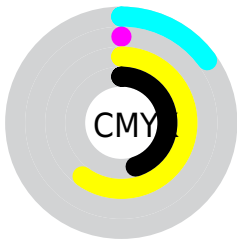
Blue (22%)



Red (22%)

Yellow (55%)

Blue (30%)

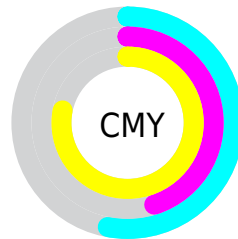


Cyan (15%)

Magenta (0%)

Yellow (60%)

Black (45%)



Cyan (53%)


Magenta (45%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6996, 22.9636, 7.2409 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 17.6996, 22.9636, 7.2409 by changing the saturation by 10% instead.


 17.6996, 22.9636,
7.2409


 17.6996, 22.9636,
7.2409


232.2508,
267.5380, 179.3568


 10.8329, 14.5666,
3.5325


 39.0589, 48.3336,
20.9773


 6.0211, 8.5158,
1.3725


 54.2822, 66.0753,
31.8423


 2.8987, 4.4267,
0.1202

 73.0218, 87.7008,
45.9300

 1.1004, 1.9150,
0.0000

 95.6429, 113.5944,
63.6589

 0.0255, 0.5574,
0.0000

 122.5111,
144.1406, 85.4475

 0.0000, 0.0000,
0.0000

 153.9915,

179.7236, 111.7143

190.4497,
220.7279, 142.8779

■ 17.6996, 22.9636,
7.2409

■ 17.6996, 22.9636,
7.2409

■ 16.9326, 22.6031,
5.6611

■ 18.5812, 23.3736,
9.3270

■ 16.2701, 22.2857,
4.5427

■ 19.5833, 23.8330,
11.9562

■ 15.7029, 22.0083,
3.8359

■ 20.7130, 24.3456,
15.1636

■ 15.2039, 21.7602,
3.3988

■ 21.9766, 24.9138,
18.9808

■ 15.2039, 21.7602,
3.3988

■ 23.3800, 25.5401,
23.4375

■ 24.9284, 26.2265,
28.5610

■ 26.6269, 26.9752,
34.3772

■ 28.4805, 27.7880,
40.9108

■ 30.4936, 28.6669,
48.1849

Harmonies

Analogous

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



22.4373, 22.9636, 6.0343



17.6996, 22.9636, 7.2409



14.5662, 22.9636, 12.3877

Triad

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



17.6996, 22.9636, 7.2409



16.8032, 22.9636, 56.8925



33.2782, 22.9636, 26.7778

Complementary

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



17.6996, 22.9636, 7.2409



9.2092, 6.3001, 25.5429

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.



31.1690, 22.9636, 44.1547



17.6996, 22.9636, 7.2409



21.2263, 22.9636, 65.3403

Square

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



17.6996, 22.9636, 7.2409



14.1087, 22.9636, 39.9106



26.5490, 22.9636, 59.9453



31.9432, 22.9636, 14.3649

Rectangle

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



17.6996, 22.9636, 7.2409



13.5435, 22.9636, 18.9477



26.5490, 22.9636, 59.9453



32.9411, 22.9636, 32.2290

Sweetspot

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



17.7001, 22.9646, 7.2414



39.1277, 44.0938, 34.6574



14.1837, 11.1694, 5.1500



8.8739, 10.0966, 7.5445



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.



17.7001, 22.9646, 7.2414



29.4202, 39.6429, 9.1979



13.1532, 20.6206, 7.0286



5.3110, 5.7831, 5.3887



13.5271, 19.3435, 3.0207



0.1032, 0.1354, 0.0207

Inverse Universe

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



9.2092, 6.3001, 25.5429



13.1089, 7.5314, 44.5058



13.7563, 8.6443, 25.7557



4.8843, 4.9488, 6.3036



4.8382, 2.0083, 22.1783



0.0439, 0.0194, 0.1479

Previews

White Background



This preview shows how the XYZ color 17.6996, 22.9636, 7.2409 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 17.6996, 22.9636, 7.2409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

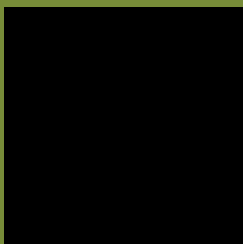
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6996, 22.9636, 7.2409

Background



This preview shows how black text looks on a background with the XYZ color 17.6996, 22.9636, 7.2409.



This preview shows how white text looks on a background with the XYZ color 17.6996, 22.9636,

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

17.6996, 22.9636, 7.2409

Protanopia

20.7712, 22.8799, 6.8115

Deuteranopia

23.2535, 22.7800, 7.4464



Tritanopia

22.0520, 22.8527, 28.8399

Trichromacy



Original Color

17.6996, 22.9636, 7.2409

Protanomaly

19.5069, 22.8380, 6.9945

Deuteranomaly

20.8047, 22.4841, 7.3810

Tritanomaly

19.8518, 22.5579, 18.3467

Monochromacy



Original Color

17.6996, 22.9636, 7.2409

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.2608, 21.0037, 14.8961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6996, 22.9636, 7.2409 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, 140, 56)` looks like.

```
.text, #text, p{  
    color:rgb(119, 140, 56)  
}
```

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, 140, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 140, 56) }
```

Border

The CSS property to change the border of an element to XYZ 17.6996, 22.9636, 7.2409 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, 140, 56) }
```


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

```
.border{ border-color:rgb(119, 140, 56) }
```

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

Here you see how a box with a 4 pixel rgb(119, 140, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 140, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 140, 56);  
box-shadow:4px 4px 4px 4px rgb(119, 140,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6996, 22.9636, 7.2409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 140, 56) }
```

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

```
.background{ background-color: rgb(119,  
140, 56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor