

Converting Colors

XYZ(14.7785, 17.7535, 2.9990)

Have a look what the booklet for
XYZ(14.7785, 17.7535, 2.9990)
contains.

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Color

**XYZ(14.7889, 17.7662,
2.9976)**

Conversions

Conversions Part 1

Format	Color
Hex	79790C
RGB	121, 121, 12
RGB Percent	47%, 47%, 5%
CMY	0.5255, 0.5255, 0.9529
CMYK	0.00, 0.00, 0.90, 0.53
HSL	60°, 82%, 26%
HSV	60°, 90%, 47%
XYZ	14.7889, 17.7662, 2.9976
YIQ	108.5740, 34.9890, -33.8990

Conversions

Conversions Part 2

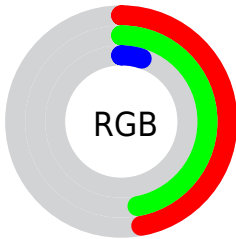
Format	Color
R_{YB}	12, 121, 12
Decimal	7960844
CIE _{Lab}	49.21, -12.16, 52.04
CIE _{LCh}	49, 53.444, 103.147
Yxy	17.7662, 0.4160, 0.4997
Android (android.graphics.Color)	4286150924 (0xFF79790C)
YUV	108.5740, -47.6110, 10.8976
Hunter-Lab	42.1500, -11.1333, 25.2884

Details

The XYZ color **14.7889, 17.7662, 2.9976** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.7347, 1.7219, 18.2257**, and the grayscale version is **14.5392, 15.2964, 16.6578**.

A 20% lighter version of the original color is **33.9536, 39.5594, 11.6405**, and **4.8368, 6.0303, 0.9090** is the 20% darker color. If you saturate the color by 10%, you get **14.7228, 17.7404, 2.6483**, and if you desaturate by 10%, it is **14.8889, 17.8069, 3.5224**.

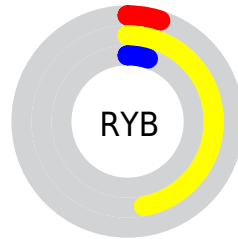
Distribution



Red (47%)

Green (47%)

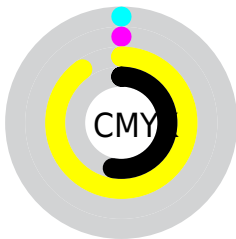
Blue (5%)



Red (5%)

Yellow (47%)

Blue (5%)

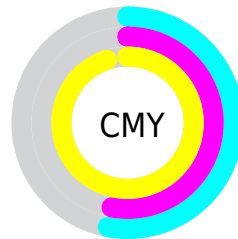


Cyan (0%)

Magenta (0%)

Yellow (90%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7889, 17.7662, 2.9976 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 14.7889, 17.7662, 2.9976 by changing the saturation by 10% instead.

■ 14.7889, 17.7662,
2.9976

■ 14.7889, 17.7662,
2.9976

215.4987,
239.5499, 136.3300

■ 8.7567, 10.7823,
1.0934

■ 34.0571, 39.6385,
11.6225

■ 4.6387, 5.9206,
0.0000

■ 48.0239, 55.2957,
19.1803

■ 2.0694, 2.7969,
0.0000

■ 65.3662, 74.6128,
29.4597

■ 0.6725, 1.0266,
0.0000


■ 86.4494, 97.9741,
42.8793


■ 0.0000, 0.0000,
0.0000


■ 111.6390,
125.7641, 59.8576


■ 141.3001,


158.3671, 80.8131


 175.7982,
196.1676, 106.1644


 14.7889, 17.7662,
2.9976


 14.7889, 17.7662,
2.9976


 14.7228, 17.7404,
2.6483

 14.8889, 17.8069,
3.5224

 15.0446, 17.8692,
4.3419

 15.2629, 17.9565,
5.4913

 15.5496, 18.0712,
7.0004

 15.9095, 18.2152,
8.8957

■ 16.3474, 18.3903,
11.2013

■ 16.8674, 18.5983,
13.9392

■ 17.4734, 18.8407,
17.1301

■ 18.1691, 19.1190,
20.7930

Harmonies

Analogous

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



19.8356, 17.7662, 3.1328



14.7889, 17.7662, 2.9976



11.1186, 17.7662, 5.3911

Triad

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



14.7889, 17.7662, 2.9976



10.7885, 17.7662, 45.0057



27.8837, 17.7662, 28.4948

Complementary

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



14.7889, 17.7662, 2.9976



3.7347, 1.7219, 18.2257

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.



24.3668, 17.7662, 47.2576



14.7889, 17.7662, 2.9976



14.2448, 17.7662, 59.5760

Square

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



14.7889, 17.7662, 2.9976



9.1362, 17.7662, 26.3211



19.1731, 17.7662, 60.5590



28.1096, 17.7662, 13.7242

Rectangle

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



14.7889, 17.7662, 2.9976



9.6682, 17.7662, 9.3678



19.1731, 17.7662, 60.5590



27.0196, 17.7662, 34.6718

Sweetspot

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



14.7893, 17.7670, 2.9980



29.4822, 33.0143, 21.1631



8.0836, 4.3549, 0.7626



6.6882, 7.5276, 4.5603



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.7893, 17.7670, 2.9980



26.3632, 31.7666, 4.7421



9.1851, 14.8780, 2.7357



4.3077, 4.6339, 4.2919



15.7769, 19.0105, 2.8379



75.2571, 90.6819, 13.5369

Inverse Universe

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



3.7347, 1.7219, 18.2257



6.1802, 2.4721, 32.5443



5.8639, 2.8196, 18.3254



3.7976, 3.8936, 4.9946



3.6985, 1.4794, 19.4759



17.6422, 7.0569, 92.9021

Previews

White Background



This preview shows how the XYZ color 14.7889, 17.7662, 2.9976 looks on a white background.

Color Contrast Check

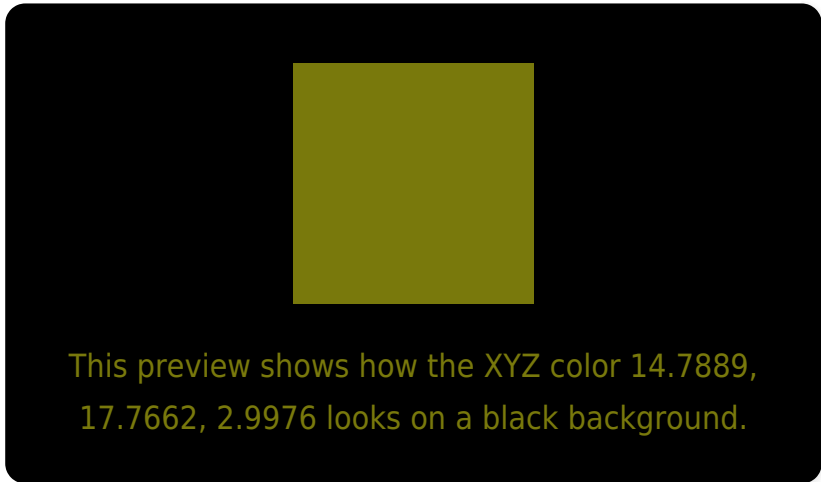
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

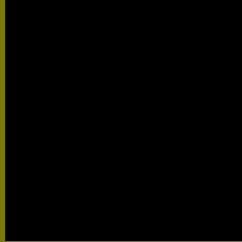
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7889, 17.7662, 2.9976

Background



This preview shows how black text looks on a background with the XYZ color 14.7889, 17.7662, 2.9976.



This preview shows how white text looks on a background with the XYZ color 14.7889, 17.7662,

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

14.7889, 17.7662, 2.9976

Protanopia

15.9318, 17.6500, 2.8543

Deuteranopia

18.0325, 17.7189, 3.1791



Tritanopia

18.4096, 17.8579, 20.5658

Trichromacy



Original Color

14.7889, 17.7662, 2.9976

Protanomaly

15.4409, 17.5702, 2.8942

Deuteranomaly

16.7211, 17.7084, 3.1090

Tritanomaly

16.3348, 17.5205, 10.3054

Monochromacy



Original Color

14.7889, 17.7662, 2.9976

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.9512, 15.8154, 8.7959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7889, 17.7662, 2.9976 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(121, 121, 12)` looks like.

```
.text, #text, p{  
    color:rgb(121, 121, 12)  
}
```

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(121, 121, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 121, 12) }
```

Border

The CSS property to change the border of an element to XYZ 14.7889, 17.7662, 2.9976 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(121, 121, 12) }
```


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

```
.border{ border-color:rgb(121, 121, 12) }
```

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

Here you see how a box with a 4 pixel rgb(121, 121, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 121, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 121, 12);  
box-shadow:4px 4px 4px 4px rgb(121, 121,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7889, 17.7662, 2.9976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 121, 12) }
```

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

```
.background{ background-color: rgb(121,  
121, 12) }
```

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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