

Converting Colors

XYZ(13.9797, 17.6112, 2.6629)

Have a look what the booklet for
XYZ(13.9797, 17.6112, 2.6629)
contains.

XYZ(13.8990, 17.4965, 2.6446)	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(13.8990, 17.4965,
2.6446)**

Conversions

Conversions Part 1

Format	Color
Hex	727A00
RGB	114, 122, 0
RGB Percent	45%, 48%, 0%
CMY	0.5529, 0.5216, 1.0000
CMYK	0.07, 0.00, 1.00, 0.52
HSL	64°, 100%, 24%
HSV	64°, 100%, 48%
XYZ	13.8990, 17.4965, 2.6446
YIQ	105.7000, 34.3940, -39.6380

Conversions

Conversions Part 2

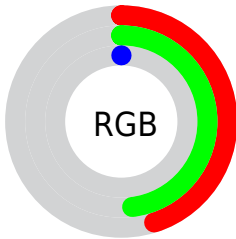
Format	Color
RYB	0, 122, 8
Decimal	7502336
CIELab	48.88, -16.23, 53.94
CIELCh	49, 56.331, 106.747
Yxy	17.4965, 0.4083, 0.5140
Android (android.graphics.Color)	4285692416 (0xFF727A00)
YUV	105.7000, -52.1101, 7.2791
Hunter-Lab	41.8288, -13.8879, 25.5316

Details

The XYZ color **13.8990, 17.4965, 2.6446** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.6134, 1.4571, 18.5042**, and the grayscale version is **13.7495, 14.4656, 15.7530**.

A 20% lighter version of the original color is **32.4237, 39.0773, 10.6843**, and **4.4354, 5.9217, 0.9092** is the 20% darker color. If you saturate the color by 10%, you get **13.8993, 17.4973, 2.6447**, and if you desaturate by 10%, it is **14.0716, 17.5783, 3.0058**.

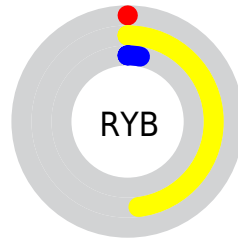
Distribution



Red (45%)

Green (48%)

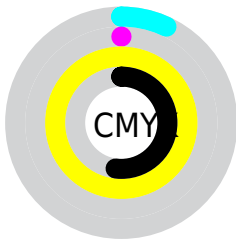
Blue (0%)



Red (0%)

Yellow (48%)

Blue (3%)

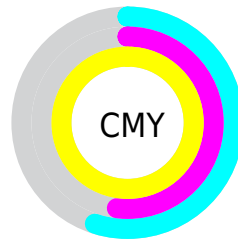


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (55%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8990, 17.4965, 2.6446 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 13.8990, 17.4965, 2.6446 by changing the saturation by 10% instead.


 13.8990, 17.4965,
2.6446


 13.8990, 17.4965,
2.6446


210.1248,
238.0175, 131.6968


 8.1317, 10.5891,
0.9153


 32.4975, 39.1775,
10.7381


 4.2318, 5.7913,
0.0000

 46.0593, 54.7199,
17.9403


 1.8341, 2.7186,
0.0000

 62.9501, 73.9094,
27.8041

 0.5381, 0.9866,
0.0000


 83.5351, 97.1304,
40.7481


 0.0000, 0.0000,
0.0000


 108.1797,
124.7673, 57.1908


 137.2493,


157.2046, 77.5508


 171.1092,
194.8265, 102.2466


 13.8990, 17.4965,
2.6446


 13.8990, 17.4965,
2.6446


 13.8993, 17.4973,
2.6447

 14.0716, 17.5783,
3.0058

 14.2786, 17.6732,
3.5453

 14.5437, 17.7916,
4.3858

 14.8735, 17.9359,
5.5627

 15.2740, 18.1086,
7.1065

■ 15.7501, 18.3117,
9.0442

■ 16.3067, 18.5470,
11.4004

■ 16.9479, 18.8163,
14.1977

■ 17.6778, 19.1212,
17.4569

Harmonies

Analogous

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



19.0417, 17.4965, 2.5247



13.8990, 17.4965, 2.6446



10.3319, 17.4965, 5.3521

Triad

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



13.8990, 17.4965, 2.6446



10.6507, 17.4965, 48.6408



28.4547, 17.4965, 26.4394

Complementary

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



13.8990, 17.4965, 2.6446



3.6134, 1.4571, 18.5042

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.



25.0755, 17.4965, 46.3589



13.8990, 17.4965, 2.6446



14.4309, 17.4965, 63.0395

Square

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



13.8990, 17.4965, 2.6446



8.7437, 17.4965, 28.6054



19.6969, 17.4965, 62.0361



28.2284, 17.4965, 11.9028

Rectangle

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



13.8990, 17.4965, 2.6446



9.0002, 17.4965, 9.7978



19.6969, 17.4965, 62.0361



27.6770, 17.4965, 32.8213

Sweetspot

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



13.8994, 17.4973, 2.6450



28.6104, 32.5957, 19.7275



8.0929, 4.2704, 0.3980



6.4635, 7.4200, 4.1766



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.



13.8994, 17.4973, 2.6450



24.4075, 30.7584, 4.6506



8.5304, 14.7295, 2.3937



4.2830, 4.6212, 4.2907



14.6302, 18.4194, 2.7842



69.5068, 87.7175, 13.2678

Inverse Universe

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



3.6134, 1.4571, 18.5042



6.3100, 2.5390, 32.5504



5.8351, 2.6024, 18.6082



3.8198, 3.9050, 4.9956



3.8011, 1.5323, 19.4807



17.8655, 7.1720, 92.9125

Previews

White Background



This preview shows how the XYZ color 13.8990, 17.4965, 2.6446 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



This preview shows how the XYZ color 13.8990, 17.4965, 2.6446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

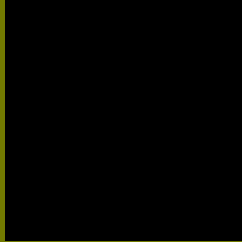
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8990, 17.4965, 2.6446

Background



This preview shows how black text looks on a background with the XYZ color 13.8990, 17.4965, 2.6446.



This preview shows how white text looks on a background with the XYZ color 13.8990, 17.4965,

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

13.8990, 17.4965, 2.6446

Protanopia

15.6055, 17.3161, 2.5198

Deuteranopia

17.7348, 17.4054, 3.0867



Tritanopia

17.5864, 17.4263, 20.8491

Trichromacy



Original Color

13.8990, 17.4965, 2.6446

Protanomaly

14.9359, 17.3168, 2.5553

Deuteranomaly

16.0816, 17.2146, 2.8559

Tritanomaly

15.3663, 17.0339, 9.6857

Monochromacy



Original Color

13.8990, 17.4965, 2.6446

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1140, 15.2448, 7.5616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8990, 17.4965, 2.6446 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(114, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(114, 122, 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(114, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8990, 17.4965, 2.6446 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(114, 122, 0) }
```


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

```
.border{ border-color:rgb(114, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(114, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8990, 17.4965, 2.6446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 122, 0) }
```

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

```
.background{ background-color: rgb(114,  
122, 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](#).

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