

Converting Colors

XYZ(15.8928, 17.8341, 13.5494)

Have a look what the booklet for
XYZ(15.8928, 17.8341, 13.5494)
contains.

XYZ(15.9845, 17.9722, 13.4530)	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(15.9845, 17.9722,
13.4530)**

Conversions

Conversions Part 1

Format	Color
Hex	74785F
RGB	116, 120, 95
RGB Percent	45%, 47%, 37%
CMY	0.5451, 0.5294, 0.6274
CMYK	0.03, 0.00, 0.21, 0.53
HSL	70°, 12%, 42%
HSV	70°, 21%, 47%
XYZ	15.9845, 17.9722, 13.4530
YIQ	115.9540, 5.6410, -8.6230

Conversions

Conversions Part 2

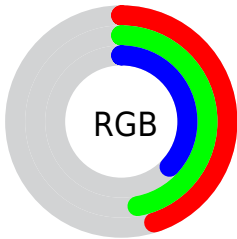
Format	Color
RYB	95, 120, 99
Decimal	7632991
CIELab	49.46, -6.18, 13.25
CIElCh	49, 14.622, 114.991
Yxy	17.9722, 0.3372, 0.3791
Android (android.graphics.Color)	4285823071 (0xFF74785F)
YUV	115.9540, -10.3303, 0.0403
Hunter-Lab	42.3936, -6.8855, 10.8607

Details

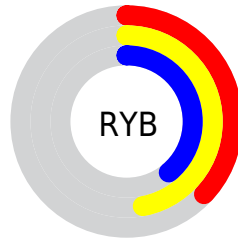
The XYZ color **15.9845, 17.9722, 13.4530** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6287, 12.1937, 19.4583**, and the grayscale version is **16.6162, 17.4816, 19.0374**.

A 20% lighter version of the original color is **36.0893, 39.9052, 32.9945**, and **5.2556, 6.0854, 3.8033** is the 20% darker color. If you saturate the color by 10%, you get **15.2279, 17.6410, 10.7862**, and if you desaturate by 10%, it is **16.8314, 18.3414, 16.5635**.

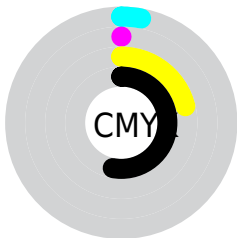
Distribution



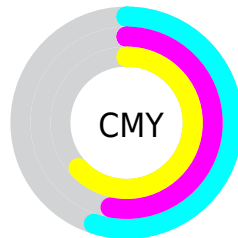
- Red (45%)
- Green (47%)
- Blue (37%)



- Red (37%)
- Yellow (47%)
- Blue (39%)



- Cyan (3%)
- Magenta (0%)
- Yellow (21%)
- Black (53%)



- Cyan (55%)
- Magenta (53%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9845, 17.9722, 13.4530 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 15.9845, 17.9722, 13.4530 by changing the saturation by 10% instead.

■ 15.9845, 17.9722,
13.4530

■ 15.9845, 17.9722,
13.4530

222.5224,
240.7143, 225.1097

■ 9.6040, 10.9300,
7.6068

■ 36.1290, 39.9899,
32.8183

■ 5.1974, 6.0198,
3.7603

■ 50.6236, 55.7343,
47.1745

■ 2.3995, 2.8571,
1.4948

■ 68.5536, 75.1482,
65.2045

■ 0.8449, 1.0576,
0.2140

■ 90.2844, 98.6160,
87.3267

■ 0.0000, 0.0000,
0.0000

116.1814,
126.5221, 113.9599

146.6098,

159.2510, 145.5224

181.9350,
197.1869, 182.4328

■ 15.9845, 17.9722,
13.4530

■ 15.9845, 17.9722,
13.4530

■ 15.2279, 17.6410,
10.7862

■ 16.8314, 18.3414,
16.5635

■ 14.5564, 17.3438,
8.5418

■ 17.7707, 18.7475,
20.1353

■ 13.9661, 17.0797,
6.6983

■ 18.8064, 19.1929,
24.1869

■ 13.4527, 16.8469,
5.2321

■ 19.9418, 19.6787,
28.7349

■ 13.0110, 16.6434,
4.1168

■ 21.1798, 20.2062,
33.7955

■ 12.6354, 16.4670,
3.3231

■ 22.5235, 20.7765,
39.3839

■ 12.3194, 16.3150,
2.8164

■ 23.9756, 21.3909,
45.5149

■ 12.0602, 16.1883,
2.4890

■ 25.5388, 22.0504,
52.2025

■ 27.2159, 22.7561,
59.4604

Harmonies

Analogous

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



17.3150, 17.9722, 12.9280



15.9845, 17.9722, 13.4530



14.9979, 17.9722, 15.5216

Triad

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



15.9845, 17.9722, 13.4530



15.6033, 17.9722, 26.4824



19.8664, 17.9722, 20.2403

Complementary

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



15.9845, 17.9722, 13.4530



12.6287, 12.1937, 19.4583

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.



19.3508, 17.9722, 24.2644



15.9845, 17.9722, 13.4530



16.8512, 17.9722, 28.1650

Square

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



15.9845, 17.9722, 13.4530



14.7863, 17.9722, 22.9608



18.2287, 17.9722, 27.3032



19.6039, 17.9722, 16.5282

Rectangle

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



15.9845, 17.9722, 13.4530



14.6433, 17.9722, 17.6644



18.2287, 17.9722, 27.3032



19.7776, 17.9722, 21.6051

Sweetspot

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



15.9850, 17.9730, 13.4534



30.3553, 32.5838, 31.9721



14.2501, 13.6962, 12.7193



7.1747, 7.7137, 7.5042



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.



15.9850, 17.9730, 13.4534



27.4578, 31.3227, 21.3245



14.4626, 17.1882, 13.3821



4.2478, 4.6030, 4.2891



13.1465, 17.6545, 2.7148



62.1124, 83.9055, 12.9217

Inverse Universe

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



12.6287, 12.1937, 19.4583



20.4372, 19.2319, 33.8880



14.0700, 12.9367, 19.5258



3.8519, 3.9215, 4.9971



3.9871, 1.6282, 19.4894



18.5335, 7.5164, 92.9438

Previews

White Background



This preview shows how the XYZ color 15.9845, 17.9722, 13.4530 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 15.9845, 17.9722, 13.4530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

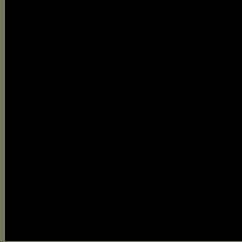
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9845, 17.9722, 13.4530

Background



This preview shows how black text looks on a background with the XYZ color 15.9845, 17.9722, 13.4530.



This preview shows how white text looks on a background with the XYZ color 15.9845, 17.9722,

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

15.9845, 17.9722, 13.4530

Protanopia

16.8391, 17.8907, 13.1554

Deuteranopia

18.1698, 17.8890, 13.5616



Tritanopia

17.6928, 17.9645, 21.9370

Trichromacy



Original Color

15.9845, 17.9722, 13.4530

Protanomaly

16.5249, 17.9026, 13.1743

Deuteranomaly

17.4100, 18.0024, 13.6235

Tritanomaly

17.0063, 17.8594, 18.4705

Monochromacy



Original Color

15.9845, 17.9722, 13.4530

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2705, 17.5183, 16.7112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9845, 17.9722, 13.4530 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(116, 120, 95)` looks like.

```
.text, #text, p{  
    color:rgb(116, 120, 95)  
}
```

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(116, 120, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 120, 95) }
```

Border

The CSS property to change the border of an element to XYZ 15.9845, 17.9722, 13.4530 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(116, 120, 95) }
```


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

```
.border{ border-color:rgb(116, 120, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 120, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 120, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 120, 95);  
box-shadow:4px 4px 4px 4px rgb(116, 120,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9845, 17.9722, 13.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 120, 95) }
```

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

```
.background{ background-color: rgb(116,  
120, 95) }
```

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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