

Converting Colors

XYZ(14.9670, 17.1222, 19.9698)

Have a look what the booklet for
XYZ(14.9670, 17.1222, 19.9698)
contains.

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Color

**XYZ(14.9636, 17.1222,
19.9690)**

Conversions

Conversions Part 1

Format	Color
Hex	627777
RGB	98, 119, 119
RGB Percent	38%, 47%, 47%
CMY	0.6157, 0.5333, 0.5333
CMYK	0.18, 0.00, 0.00, 0.53
HSL	180°, 10%, 43%
HSV	180°, 18%, 47%
XYZ	14.9636, 17.1222, 19.9690
YIQ	112.7210, -12.5160, -4.4520

Conversions

Conversions Part 2

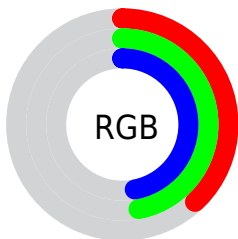
Format	Color
R _Y B	98, 109, 119
Decimal	6453111
CIE Lab	48.41, -7.66, -2.57
CIE LCh	48, 8.083, 198.559
Yxy	17.1222, 0.2875, 0.3289
Android (android.graphics.Color)	4284643191 (0xFF627777)
YUV	112.7210, 3.0955, -12.9103
Hunter-Lab	41.3790, -7.8635, 0.3526

Details

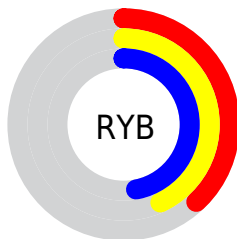
The XYZ color **14.9636, 17.1222, 19.9690** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.1806, 13.5396, 13.4220**, and the grayscale version is **15.6076, 16.4204, 17.8818**.

A 20% lighter version of the original color is **34.3080, 38.4557, 44.1425**, and **4.7558, 5.6652, 6.8041** is the 20% darker color. If you saturate the color by 10%, you get **13.7740, 16.5094, 19.9134**, and if you desaturate by 10%, it is **16.3452, 17.8349, 20.0343**.

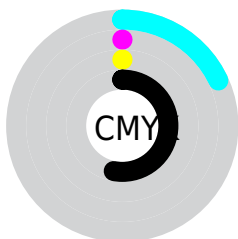
Distribution



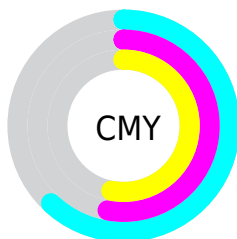
- Red (38%)
- Green (47%)
- Blue (47%)



- Red (38%)
- Yellow (43%)
- Blue (47%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



- Cyan (62%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9636, 17.1222, 19.9690 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 14.9636, 17.1222, 19.9690 by changing the saturation by 10% instead.

■ 14.9636, 17.1222,
19.9690

■ 14.9636, 17.1222,
19.9690

216.5385,
235.8756, 264.3459

■ 8.8800, 10.3217,
12.1887

■ 34.3615, 38.5358,
44.2235

■ 4.7195, 5.6127,
6.7482

■ 48.4065, 53.9176,
61.5347

■ 2.1167, 2.6111,
3.2291

■ 65.8360, 72.9286,
82.8600

■ 0.6983, 0.9322,
1.2128

■ 87.0154, 95.9532,
108.6179

■ 0.0000, 0.0000,
0.0000

112.3099,
123.3758, 139.2268

142.0851,

155.5808, 175.1055

176.7062,
192.9526, 216.6723

■ 14.9636, 17.1222,
19.9690

■ 14.9636, 17.1222,
19.9690

■ 13.7740, 16.5094,
19.9134

■ 16.3452, 17.8349,
20.0343

■ 12.7664, 15.9899,
19.8660

■ 17.9251, 18.6493,
20.1085

■ 11.9323, 15.5600,
19.8267

■ 19.7112, 19.5701,
20.1924

■ 11.2619, 15.2144,
19.7950

■ 21.7107, 20.6009,
20.2862

■ 10.7446, 14.9477,
19.7705

■ 23.9301, 21.7450,
20.3904

■ 10.3681, 14.7536,
19.7526

■ 26.3760, 23.0059,
20.5051

■ 10.1187, 14.6251,
19.7407

■ 29.0545, 24.3868,
20.6308

■ 9.9615, 14.5440,
19.7330

■ 31.9716, 25.8905,
20.7676

■ 9.9265, 14.5260,
19.7313

■ 35.1329, 27.5202,
20.9158

Harmonies

Analogous

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



14.9205, 17.1222, 17.8474



14.9636, 17.1222, 19.9690



15.3515, 17.1222, 21.8641

Triad

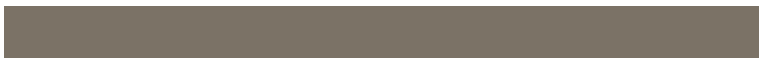
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.9636, 17.1222, 19.9690



17.3630, 17.1222, 21.4690



16.5577, 17.1222, 14.9314

Complementary

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



14.9636, 17.1222, 19.9690



14.1806, 13.5396, 13.4220

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.



17.2331, 17.1222, 15.7552



14.9636, 17.1222, 19.9690



17.7073, 17.1222, 19.4623

Square

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



14.9636, 17.1222, 19.9690



16.7307, 17.1222, 22.7743



17.6590, 17.1222, 17.3774



15.8259, 17.1222, 15.0445

Rectangle

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



14.9636, 17.1222, 19.9690



15.7601, 17.1222, 22.6944



17.6590, 17.1222, 17.3774



16.7992, 17.1222, 15.1052

Sweetspot

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



14.9641, 17.1229, 19.9694



29.9474, 32.2859, 35.9062



13.8768, 16.6924, 14.0462



7.0604, 7.6325, 8.5077



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.



14.9641, 17.1229, 19.9694



25.9275, 30.2136, 35.7173



13.8199, 14.8344, 19.5885



3.7833, 4.1553, 4.6928



10.5459, 15.4324, 20.9625



51.3912, 75.2038, 102.1520

Inverse Universe

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



14.1806, 13.5396, 13.4220



24.2601, 22.5876, 21.7830



15.1914, 15.5612, 13.7586



3.6840, 3.7009, 3.8625



8.0829, 4.1669, 0.3785



39.3886, 20.3056, 1.8439

Previews

White Background



This preview shows how the XYZ color 14.9636, 17.1222, 19.9690 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 14.9636, 17.1222, 19.9690 looks on a black 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

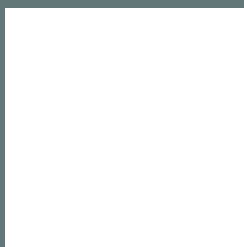
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9636, 17.1222, 19.9690

Background



This preview shows how black text looks on a background with the XYZ color 14.9636, 17.1222, 19.9690.



This preview shows how white text looks on a background with the XYZ color 14.9636, 17.1222,

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

14.9636, 17.1222, 19.9690

Protanopia

16.3722, 17.0086, 18.9431

Deuteranopia

17.3040, 16.9603, 20.4508



Tritanopia

15.5647, 17.1985, 22.5780

Trichromacy



Original Color

14.9636, 17.1222, 19.9690

Protanomaly

15.7630, 17.0263, 19.2852

Deuteranomaly

16.3469, 16.9681, 20.1829

Tritanomaly

15.2621, 17.0648, 21.5582

Monochromacy



Original Color

14.9636, 17.1222, 19.9690

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4096, 16.6874, 18.6285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9636, 17.1222, 19.9690 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(98, 119, 119) looks like.

```
.text, #text, p{  
    color:rgb(98, 119, 119)  
}
```

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(98, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 14.9636, 17.1222, 19.9690 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(98, 119, 119) }
```


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

```
.border{ border-color:rgb(98, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(98, 119,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9636, 17.1222, 19.9690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 119, 119) }
```

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

```
.background{ background-color: rgb(98, 119,  
119) }
```

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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