

Converting Colors

XYZ(17.8832, 14.9795, 34.2623)

Have a look what the booklet for
XYZ(17.8832, 14.9795, 34.2623)
contains.

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Color

**XYZ(17.8754, 14.9859,
34.2982)**

Conversions

Conversions Part 1

Format	Color
Hex	75629E
RGB	117, 98, 158
RGB Percent	46%, 38%, 62%
CMY	0.5412, 0.6157, 0.3804
CMYK	0.26, 0.38, 0.00, 0.38
HSL	259°, 24%, 50%
HSV	259°, 38%, 62%
XYZ	17.8754, 14.9859, 34.2982
YIQ	110.5210, -7.9360, 22.6880

Conversions

Conversions Part 2

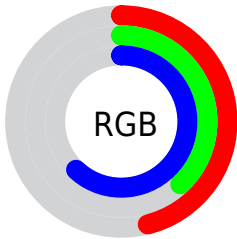
Format	Color
R_{YB}	117, 98, 158
Decimal	7692958
CIE _{Lab}	45.61, 20.89, -29.85
CIE _{LCh}	46, 36.431, 304.982
Yxy	14.9859, 0.2662, 0.2231
Android (android.graphics.Color)	4285883038 (0xFF75629E)
YUV	110.5210, 23.4071, 5.6821
Hunter-Lab	38.7116, 14.6784, -25.4323

Details

The XYZ color **17.8754, 14.9859, 34.2982** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.0792, 30.8248, 16.1838**, and the grayscale version is **14.9076, 15.6839, 17.0798**.

A 20% lighter version of the original color is **39.3353, 34.8450, 67.6034**, and **6.1001, 4.6016, 14.2023** is the 20% darker color. If you saturate the color by 10%, you get **15.1725, 11.6106, 33.7894**, and if you desaturate by 10%, it is **21.0385, 19.0323, 34.9128**.

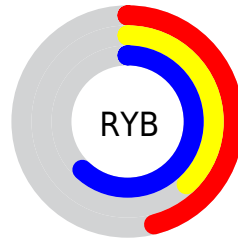
Distribution



Red (46%)

Green (38%)

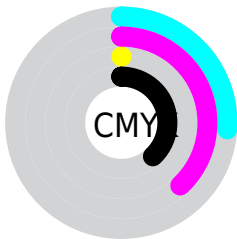
Blue (62%)



Red (46%)

Yellow (38%)

Blue (62%)

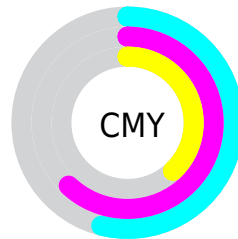


Cyan (26%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (54%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8754, 14.9859, 34.2982 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 17.8754, 14.9859, 34.2982 by changing the saturation by 10% instead.

■ 17.8754, 14.9859,
34.2982

■ 17.8754, 14.9859,
34.2982

233.2270,
223.2809, 336.2693

■ 10.9597, 8.8095,
22.8436

■ 39.3566, 34.8284,
67.5363

■ 6.1068, 4.6171,
14.2738

■ 54.6529, 49.2634,
90.1569

■ 2.9514, 2.0244,
8.1704

■ 73.4734, 67.2199,
117.3365

■ 1.1281, 0.6216,
4.1149

■ 96.1835, 89.0825,
149.4937

■ 0.0485, 0.0000,
1.6886

123.1486,
115.2355, 187.0471

■ 0.0000, 0.0000,
0.3529

154.7339,

■ 0.0000, 0.0000,

146.0633, 230.4151

0.0000

191.3050,
181.9503, 280.0163

■ 17.8754, 14.9859,
34.2982

■ 17.8754, 14.9859,
34.2982

■ 15.1725, 11.6106,
33.7894

■ 21.0385, 19.0323,
34.9128

■ 12.9053, 8.8671,
33.3794

■ 24.6815, 23.7825,
35.6377

■ 11.0494, 6.7149,
33.0618

■ 28.8247, 29.2691,
36.4783

■ 9.5767, 5.1076,
32.8292

■ 33.4868, 35.5222,
37.4396

■ 8.4557, 3.9919,
32.6729

■ 38.6856, 42.5702,
38.5259

■ 7.6341, 3.2742,
32.5776

■ 44.4378, 50.4398,
39.7418

■ 7.4887, 3.1477,
32.5609

■ 50.7596, 59.1569,
41.0911

■ 57.6664, 68.7458,
42.5780

■ 65.1730, 79.2302,
44.2060

Harmonies

Analogous

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



14.7587, 14.9859, 39.4051



17.8754, 14.9859, 34.2982



20.2429, 14.9859, 24.4960

Triad

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



17.8754, 14.9859, 34.2982



16.8692, 14.9859, 5.3426



9.1658, 14.9859, 17.8186

Complementary

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



17.8754, 14.9859, 34.2982



25.0792, 30.8248, 16.1838

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.



9.5649, 14.9859, 10.1975



17.8754, 14.9859, 34.2982



13.7407, 14.9859, 4.6562

Square

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



17.8754, 14.9859, 34.2982



19.6063, 14.9859, 8.4610



11.1405, 14.9859, 6.0655



9.9606, 14.9859, 27.9577

Rectangle

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



17.8754, 14.9859, 34.2982



20.9171, 14.9859, 17.8301



11.1405, 14.9859, 6.0655



9.1661, 14.9859, 14.8922

Sweetspot

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



17.8759, 14.9865, 34.2985



49.8047, 49.7727, 65.7256



20.4416, 23.5310, 35.8126



11.0109, 10.9328, 14.7736



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.8759, 14.9865, 34.2985



28.0419, 21.6872, 61.4515



22.5723, 17.4075, 34.5183



6.4726, 6.5321, 8.3264



6.0347, 2.5400, 26.0794



0.1490, 0.0666, 0.4682

Inverse Universe

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



23.1288, 17.8690, 26.6563



39.2320, 27.8400, 44.6200



20.7386, 28.5871, 15.9806



6.8147, 6.7188, 7.8752



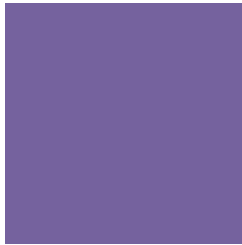
13.4778, 6.6957, 12.0332



0.2592, 0.1270, 0.3112

Previews

White Background



This preview shows how the XYZ color 17.8754, 14.9859, 34.2982 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 17.8754, 14.9859, 34.2982 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 17.8754, 14.9859, 34.2982

Background



This preview shows how black text looks on a background with the XYZ color 17.8754, 14.9859, 34.2982.

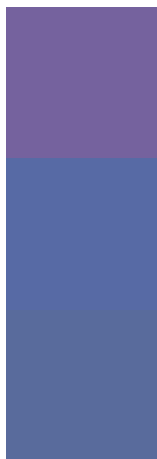


This preview shows how white text looks on a background with the XYZ color 17.8754, 14.9859,

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

17.8754, 14.9859, 34.2982

Protanopia

15.8760, 15.0509, 37.6657

Deuteranopia

15.3783, 15.0395, 33.5449



Tritanopia

14.6589, 15.0044, 18.3432

Trichromacy



Original Color

17.8754, 14.9859, 34.2982

Protanomaly

16.4088, 14.9058, 36.1947

Deuteranomaly

16.1817, 14.9876, 33.9383

Tritanomaly

15.7291, 14.9841, 23.5359

Monochromacy



Original Color

17.8754, 14.9859, 34.2982

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.8604, 15.3773, 22.5543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8754, 14.9859, 34.2982 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(117, 98, 158)` looks like.

```
.text, #text, p{  
    color:rgb(117, 98, 158)  
}
```

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(117, 98, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 98, 158) }
```

Border

The CSS property to change the border of an element to XYZ 17.8754, 14.9859, 34.2982 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(117, 98, 158) }
```


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

```
.border{ border-color:rgb(117, 98, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 98, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 98, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 98, 158); box-shadow:4px 4px 4px 4px rgb(117, 98, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8754, 14.9859, 34.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 98, 158) }
```

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

```
.background{ background-color: rgb(117, 98,  
158) }
```

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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