

Converting Colors

XYZ(13.9952, 14.3428, 19.6043)

Have a look what the booklet for
XYZ(13.9952, 14.3428, 19.6043)
contains.

XYZ(13.9749, 14.3186, 19.4800)	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(13.9749, 14.3186,
19.4800)**

Conversions

Conversions Part 1

Format	Color
Hex	676977
RGB	103, 105, 119
RGB Percent	40%, 41%, 47%
CMY	0.5961, 0.5882, 0.5333
CMYK	0.13, 0.12, 0.00, 0.53
HSL	232°, 7%, 44%
HSV	232°, 13%, 47%
XYZ	13.9749, 14.3186, 19.4800
YIQ	105.9980, -5.6860, 3.9300

Conversions

Conversions Part 2

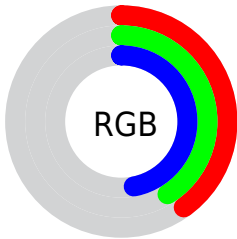
Format	Color
R_{YB}	103, 105, 119
Decimal	6777207
CIE _{Lab}	44.69, 2.32, -8.06
CIE _{LCh}	45, 8.391, 286.058
Yxy	14.3186, 0.2925, 0.2997
Android (android.graphics.Color)	4284967287 (0xFF676977)
YUV	105.9980, 6.4100, -2.6292
Hunter-Lab	37.8399, -0.2969, -4.0346

Details

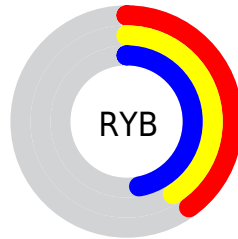
The XYZ color **13.9749, 14.3186, 19.4800** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.4174, 17.6239, 15.3689**, and the grayscale version is **13.6835, 14.3961, 15.6774**.

A 20% lighter version of the original color is **32.5656, 33.5872, 43.2947**, and **4.2813, 4.3218, 6.5698** is the 20% darker color. If you saturate the color by 10%, you get **11.7096, 11.6720, 19.0888**, and if you desaturate by 10%, it is **16.5652, 17.3263, 19.9242**.

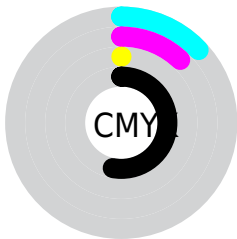
Distribution



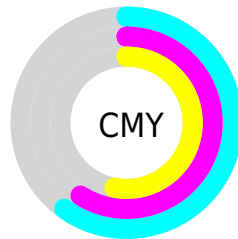
- Red (40%)
- Green (41%)
- Blue (47%)



- Red (40%)
- Yellow (41%)
- Blue (47%)



- Cyan (13%)
- Magenta (12%)
- Yellow (0%)
- Black (53%)



- Cyan (60%)
- Magenta (59%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9749, 14.3186, 19.4800 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 13.9749, 14.3186, 19.4800 by changing the saturation by 10% instead.

■ 13.9749, 14.3186,
19.4800

■ 13.9749, 14.3186,
19.4800

210.5884,
219.2039, 261.5964

■ 8.1848, 8.3426,
11.8373

■ 32.6311, 33.6533,
43.3911

■ 4.2662, 4.3149,
6.5118

■ 46.2280, 47.7807,
60.4965

■ 1.8538, 1.8512,
3.0849

■ 63.1577, 65.3941,
81.5934

■ 0.5498, 0.5188,
1.1382

■ 83.7858, 86.8778,
107.1000

■ 0.0000, 0.0000,
0.0000

108.4776,
112.6163, 137.4352

137.5983,

142.9939, 173.0172

171.5135,
178.3949, 214.2648

■ 13.9749, 14.3186,
19.4800

■ 13.9749, 14.3186,
19.4800

■ 11.7096, 11.6720,
19.0888

■ 16.5652, 17.3263,
19.9242

■ 9.7552, 9.3712,
18.7477

■ 19.4914, 20.7061,
20.4224

■ 8.0985, 7.4023,
18.4550

■ 22.7653, 24.4708,
20.9765

■ 6.7246, 5.7499,
18.2084

■ 26.3980, 28.6321,
21.5882

■ 5.6177, 4.3974,
18.0057

■ 30.3998, 33.2010,
22.2592

■ 4.7601, 3.3264,
17.8442

■ 34.7809, 38.1884,
22.9910

■ 4.1320, 2.5169,
17.7211

■ 39.5508, 43.6045,
23.7850

■ 3.7088, 1.9449,
17.6329

■ 44.7189, 49.4593,
24.6427

■ 3.4990, 1.6702,
17.5910

■ 50.2942, 55.7623,
25.5654

Harmonies

Analogous

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



13.2963, 14.3186, 19.5216



13.9749, 14.3186, 19.4800



14.5744, 14.3186, 18.3409

Triad

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



13.9749, 14.3186, 19.4800



14.5386, 14.3186, 13.0427



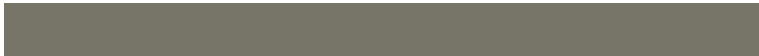
12.3774, 14.3186, 14.7041

Complementary

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



13.9749, 14.3186, 19.4800



16.4174, 17.6239, 15.3689

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.



12.6880, 14.3186, 13.1298



13.9749, 14.3186, 19.4800



13.9274, 14.3186, 12.2261

Square

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



13.9749, 14.3186, 19.4800



14.9072, 14.3186, 14.5758



13.2503, 14.3186, 12.2566



12.3892, 14.3186, 16.6512

Rectangle

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



13.9749, 14.3186, 19.4800



14.8419, 14.3186, 17.1628



13.2503, 14.3186, 12.2566



12.4471, 14.3186, 14.1174

Sweetspot

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



13.9753, 14.3192, 19.4803



29.3403, 30.6521, 35.6231



15.3937, 17.3587, 19.3281



6.8788, 7.1778, 8.4296



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.



13.9753, 14.3192, 19.4803



23.7644, 24.1713, 34.6661



14.4707, 14.2756, 19.4458



3.5342, 3.6569, 4.6098



3.7129, 1.7654, 18.6876



17.7362, 7.8889, 90.9482

Inverse Universe

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



15.0082, 14.6428, 15.4005



25.9817, 24.8800, 25.9047



15.8725, 17.6928, 15.4109



3.7009, 3.7076, 3.9516



8.1712, 4.2022, 0.8439



39.6391, 20.4058, 3.1631

Previews

White Background



This preview shows how the XYZ color 13.9749, 14.3186, 19.4800 looks on a white background.

Color Contrast Check

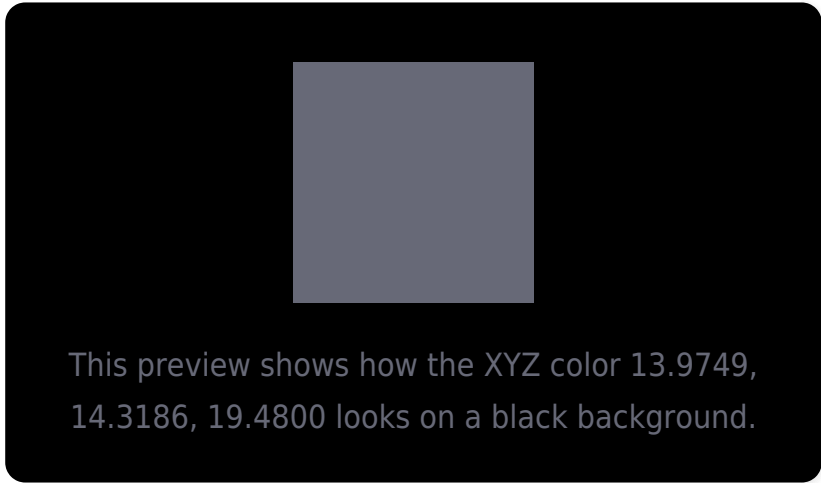
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

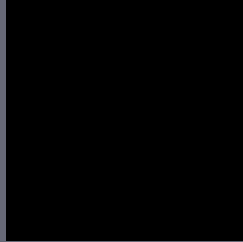
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

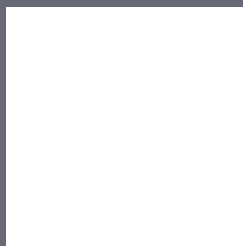
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.9749, 14.3186, 19.4800

Background



This preview shows how black text looks on a background with the XYZ color 13.9749, 14.3186, 19.4800.



This preview shows how white text looks on a background with the XYZ color 13.9749, 14.3186,

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

13.9749, 14.3186, 19.4800

Protanopia

14.0903, 14.3781, 19.4854

Deuteranopia

14.4867, 14.2836, 19.4462



Tritanopia

13.6708, 14.3478, 17.9685

Trichromacy



Original Color

13.9749, 14.3186, 19.4800

Protanomaly

14.0903, 14.3781, 19.4854

Deuteranomaly

14.3435, 14.3583, 19.4682

Tritanomaly

13.7859, 14.3938, 18.5747

Monochromacy



Original Color

13.9749, 14.3186, 19.4800

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.8490, 14.4590, 17.0999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9749, 14.3186, 19.4800 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(103, 105, 119)` looks like.

```
.text, #text, p{  
    color:rgb(103, 105, 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(103, 105, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 105, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.9749, 14.3186, 19.4800 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(103, 105, 119) }
```


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

```
.border{ border-color:rgb(103, 105, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 105, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 105, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 105, 119);  
box-shadow:4px 4px 4px 4px rgb(103, 105,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9749, 14.3186, 19.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 105, 119) }
```

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

```
.background{ background-color: rgb(103,  
105, 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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