

Converting Colors

XYZ(15.0039, 19.8029, 23.9617)

Have a look what the booklet for
XYZ(15.0039, 19.8029, 23.9617)
contains.

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Color

**XYZ(14.9485, 19.6996,
23.7834)**

Conversions

Conversions Part 1

Format	Color
Hex	478581
RGB	71, 133, 129
RGB Percent	28%, 52%, 51%
CMY	0.7216, 0.4784, 0.4941
CMYK	0.47, 0.00, 0.03, 0.48
HSL	176°, 30%, 40%
HSV	176°, 47%, 52%
XYZ	14.9485, 19.6996, 23.7834
YIQ	114.0060, -35.6680, -14.3880

Conversions

Conversions Part 2

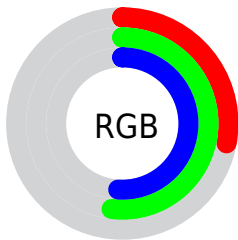
Format	Color
R_{YB}	71, 103, 133
Decimal	4687233
CIE _{Lab}	51.50, -21.04, -4.08
CIE _{LCh}	51, 21.430, 190.965
Yxy	19.6996, 0.2558, 0.3371
Android (android.graphics.Color)	4282877313 (0xFF478581)
YUV	114.0060, 7.3920, -37.7163
Hunter-Lab	44.3842, -17.5540, -0.7017

Details

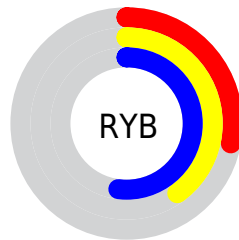
The XYZ color **14.9485, 19.6996, 23.7834** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.1968, 10.0016, 7.8923**, and the grayscale version is **15.9827, 16.8150, 18.3116**.

A 20% lighter version of the original color is **34.3146, 42.7803, 50.7048**, and **4.7072, 6.8513, 8.6637** is the 20% darker color. If you saturate the color by 10%, you get **14.0212, 19.2286, 23.4438**, and if you desaturate by 10%, it is **16.0910, 20.2824, 24.1364**.

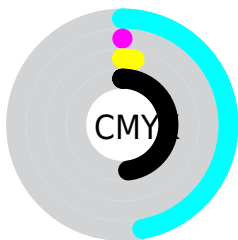
Distribution



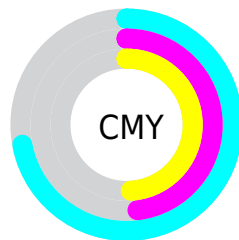
- Red (28%)
- Green (52%)
- Blue (51%)



- Red (28%)
- Yellow (40%)
- Blue (52%)



- Cyan (47%)
- Magenta (0%)
- Yellow (3%)
- Black (48%)



- Cyan (72%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9485, 19.6996, 23.7834 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 14.9485, 19.6996, 23.7834 by changing the saturation by 10% instead.

■ 14.9485, 19.6996,
23.7834

■ 14.9485, 19.6996,
23.7834

216.4489,
250.2842, 284.9748

■ 8.8693, 12.1769,
14.9623

■ 34.3352, 42.9130,
50.6159

■ 4.7125, 6.8643,
8.6466

■ 48.3735, 59.3724,
69.4644

■ 2.1126, 3.3773,
4.4178

■ 65.7954, 79.5795,
92.4924

■ 0.6960, 1.3318,
1.8572

■ 86.9665, 103.9187,
120.1186

■ 0.0000, 0.1656,
0.4653

■ 112.2520,
132.7744, 152.7613

■ 0.0000, 0.0000,
0.0000

142.0174,

166.5309, 190.8393

176.6279,
205.5727, 234.7709

■ 14.9485, 19.6996,
23.7834

■ 14.9485, 19.6996,
23.7834

■ 14.0212, 19.2286,
23.4438

■ 16.0910, 20.2824,
24.1364

■ 13.2932, 18.8598,
23.1156

■ 17.4597, 20.9814,
24.5021

■ 12.7494, 18.5859,
22.7985

■ 19.0671, 21.8033,
24.8815

■ 12.3716, 18.3976,
22.4917

■ 20.9241, 22.7538,
25.2751

■ 12.1273, 18.2780,
22.1936

■ 23.0411, 23.8383,
25.6834

■ 12.0525, 18.2415,
22.0936

■ 25.4276, 25.0617,
26.1068

■ 28.0931, 26.4288,
26.5458

■ 31.0461, 27.9442,
27.0008

■ 34.2952, 29.6121,
27.4722

Harmonies

Analogous

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



15.0786, 19.6996, 17.8123



14.9485, 19.6996, 23.7834



15.7701, 19.6996, 30.1939

Triad

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



14.9485, 19.6996, 23.7834



21.5696, 19.6996, 31.6992



20.1060, 19.6996, 12.0846

Complementary

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



14.9485, 19.6996, 23.7834



13.1968, 10.0016, 7.8923

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.



22.0252, 19.6996, 14.5810



14.9485, 19.6996, 23.7834



22.9139, 19.6996, 25.5509

Square

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



14.9485, 19.6996, 23.7834



19.5220, 19.6996, 35.3128



23.0867, 19.6996, 19.2735



17.9478, 19.6996, 11.7926

Rectangle

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



14.9485, 19.6996, 23.7834



16.7867, 19.6996, 33.5677



23.0867, 19.6996, 19.2735



20.8047, 19.6996, 12.6676

Sweetspot

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



14.9491, 19.7004, 23.7839



34.8678, 39.4142, 44.7158



12.4376, 18.7320, 8.9218



7.7231, 8.8120, 10.0450



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.9491, 19.7004, 23.7839



25.0118, 34.3844, 41.9424



12.0006, 13.3693, 24.1391



4.7890, 5.2738, 5.9001



11.4809, 17.3752, 21.0497



0.0407, 0.0606, 0.0780

Inverse Universe

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



13.1968, 10.0016, 7.8923



21.4716, 14.7575, 9.8122



15.1661, 14.1526, 7.8941



4.6839, 4.6932, 4.9476



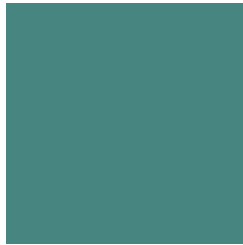
9.2596, 4.7682, 0.6733



0.0328, 0.0168, 0.0062

Previews

White Background



This preview shows how the XYZ color 14.9485, 19.6996, 23.7834 looks on a white 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

Black Background



This preview shows how the XYZ color 14.9485, 19.6996, 23.7834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

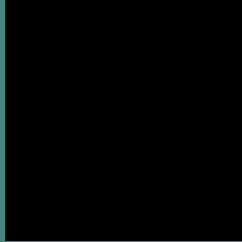
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.9485, 19.6996, 23.7834

Background



This preview shows how black text looks on a background with the XYZ color 14.9485, 19.6996, 23.7834.



This preview shows how white text looks on a background with the XYZ color 14.9485, 19.6996,

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

14.9485, 19.6996, 23.7834

Protanopia

18.7846, 19.6093, 21.2073

Deuteranopia

19.8149, 19.5267, 24.5545



Tritanopia

15.9004, 19.6814, 28.5520

Trichromacy



Original Color

14.9485, 19.6996, 23.7834

Protanomaly

16.9882, 19.4056, 22.2523

Deuteranomaly

17.4887, 19.2421, 24.2651

Tritanomaly

15.5907, 19.7645, 26.6601

Monochromacy



Original Color

14.9485, 19.6996, 23.7834

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.2041, 17.6033, 20.0492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9485, 19.6996, 23.7834 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(71, 133, 129)` looks like.

```
.text, #text, p{  
    color:rgb(71, 133, 129)  
}
```

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(71, 133, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 133, 129) }
```

Border

The CSS property to change the border of an element to XYZ 14.9485, 19.6996, 23.7834 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(71, 133, 129) }
```


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

```
.border{ border-color:rgb(71, 133, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 133, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 133, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 133, 129);  
box-shadow:4px 4px 4px 4px rgb(71, 133,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9485, 19.6996, 23.7834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 133, 129) }
```

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

```
.background{ background-color: rgb(71, 133,  
129) }
```

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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