

Converting Colors

XYZ(15.9761, 19.6728, 24.7814)

Have a look what the booklet for
XYZ(15.9761, 19.6728, 24.7814)
contains.

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Color

**XYZ(15.8938, 19.5625,
24.7680)**

Conversions

Conversions Part 1

Format	Color
Hex	558284
RGB	85, 130, 132
RGB Percent	33%, 51%, 52%
CMY	0.6667, 0.4902, 0.4823
CMYK	0.36, 0.02, 0.00, 0.48
HSL	183°, 22%, 43%
HSV	183°, 36%, 52%
XYZ	15.8938, 19.5625, 24.7680
YIQ	116.7730, -27.4620, -8.9180

Conversions

Conversions Part 2

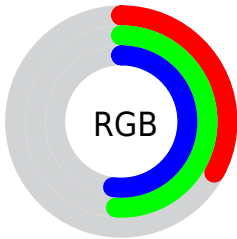
Format	Color
R_{YB}	85, 108, 132
Decimal	5603972
CIE _{Lab}	51.34, -14.79, -5.99
CIE _{LCh}	51, 15.955, 202.038
Yxy	19.5625, 0.2639, 0.3248
Android (android.graphics.Color)	4283794052 (0xFF558284)
YUV	116.7730, 7.5069, -27.8649
Hunter-Lab	44.2295, -13.2580, -2.2410

Details

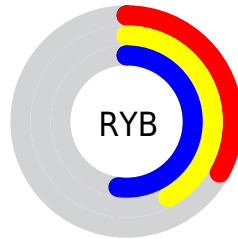
The XYZ color **15.8938, 19.5625, 24.7680** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.5639, 12.3780, 10.2164**, and the grayscale version is **16.8224, 17.6985, 19.2736**.

A 20% lighter version of the original color is **36.0070, 42.6881, 52.2408**, and **5.1969, 6.8667, 9.2351** is the 20% darker color. If you saturate the color by 10%, you get **14.7312, 18.8531, 24.6927**, and if you desaturate by 10%, it is **17.2816, 20.3895, 24.8548**.

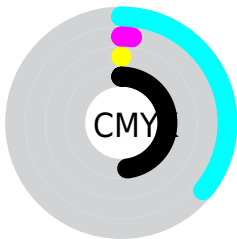
Distribution



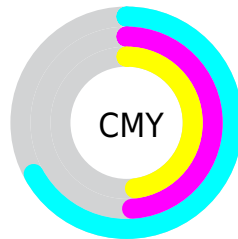
- Red (33%)
- Green (51%)
- Blue (52%)



- Red (33%)
- Yellow (42%)
- Blue (52%)



- Cyan (36%)
- Magenta (2%)
- Yellow (0%)
- Black (48%)



- Cyan (67%)
- Magenta (49%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8938, 19.5625, 24.7680 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 15.8938, 19.5625, 24.7680 by changing the saturation by 10% instead.

■ 15.8938, 19.5625,
24.7680

■ 15.8938, 19.5625,
24.7680

221.9970,
249.5367, 290.0912

■ 9.5394, 12.0774,
15.6868

■ 35.9727, 42.6825,
52.2400

■ 5.1546, 6.7964,
9.1509

■ 50.4279, 59.0861,
71.4680

■ 2.3739, 3.3351,
4.7416

■ 68.3140, 79.2315,
94.9153

■ 0.8321, 1.3091,
2.0404

■ 89.9965, 103.5028,
123.0006

■ 0.0000, 0.1482,
0.5799

■ 115.8407,
132.2847, 156.1422

■ 0.0000, 0.0000,
0.0000

146.2120,

165.9613, 194.7588

181.4756,
204.9172, 239.2690

■ 15.8938, 19.5625,
24.7680

■ 15.8938, 19.5625,
24.7680

■ 14.7312, 18.8531,
24.6927

■ 17.2816, 20.3895,
24.8548

■ 13.7795, 18.2526,
24.6269

■ 18.9043, 21.3378,
24.9523

■ 13.0257, 17.7546,
24.5705

■ 20.7732, 22.4136,
25.0615

■ 12.4544, 17.3514,
24.5228

■ 22.8984, 23.6221,
25.1827

■ 12.0482, 17.0339,
24.4829

■ 25.2893, 24.9683,
25.3166

■ 11.7798, 16.7880,
24.4496

■ 27.9549, 26.4566,
25.4633

■ 11.6755, 16.6872,
24.4357

■ 30.9039, 28.0916,
25.6235

■ 34.1443, 29.8776,
25.7974

■ 37.6842, 31.8185,
25.9855

Harmonies

Analogous

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



15.7193, 19.5625, 20.1069



15.8938, 19.5625, 24.7680



16.7705, 19.5625, 29.0007

Triad

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



15.8938, 19.5625, 24.7680



21.1173, 19.5625, 27.1714



19.0215, 19.5625, 13.7335

Complementary

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



15.8938, 19.5625, 24.7680



14.5639, 12.3780, 10.2164

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.



20.5442, 19.5625, 15.0999



15.8938, 19.5625, 24.7680



21.7985, 19.5625, 22.5398

Square

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



15.8938, 19.5625, 24.7680



19.7680, 19.5625, 30.5207



21.5830, 19.5625, 18.1723



17.4666, 19.5625, 14.1534

Rectangle

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



15.8938, 19.5625, 24.7680



17.6640, 19.5625, 30.7930



21.5830, 19.5625, 18.1723



19.5552, 19.5625, 13.9914

Sweetspot

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



15.8944, 19.5633, 24.7685



34.6801, 38.3840, 44.0342



13.7006, 19.1152, 11.8922



7.9888, 8.8873, 10.2471



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.



15.8944, 19.5633, 24.7685



26.2594, 33.4014, 43.5163



13.1623, 14.0992, 23.8578



4.7851, 5.2459, 5.9611



11.3057, 16.1591, 23.6598



0.0405, 0.0586, 0.0824

Inverse Universe

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



16.7939, 13.0147, 22.7469



28.1146, 20.0787, 39.3060



16.7389, 16.7281, 10.9414



4.8496, 4.7595, 5.8201



12.8847, 6.2182, 19.7629



0.0453, 0.0218, 0.0719

Previews

White Background



This preview shows how the XYZ color 15.8938, 19.5625, 24.7680 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 15.8938, 19.5625, 24.7680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

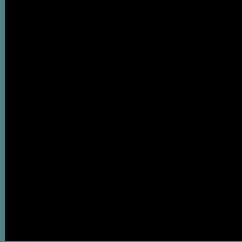
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8938, 19.5625, 24.7680

Background



This preview shows how black text looks on a background with the XYZ color 15.8938, 19.5625, 24.7680.



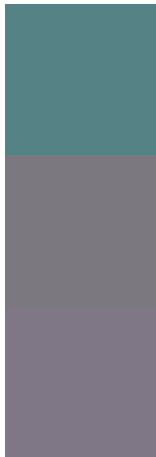
This preview shows how white text looks on a background with the XYZ color 15.8938, 19.5625,

24.7680.

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

15.8938, 19.5625, 24.7680

Protanopia

18.8365, 19.4180, 22.8339

Deuteranopia

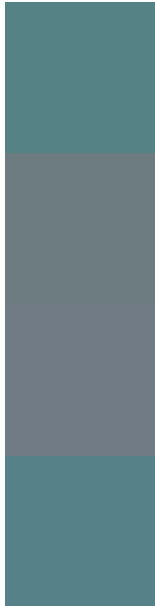
19.8020, 19.5041, 25.2752



Tritanopia

16.4409, 19.5908, 27.3410

Trichromacy



Original Color

15.8938, 19.5625, 24.7680

Protanomaly

17.4768, 19.2515, 23.5637

Deuteranomaly

17.9987, 19.3041, 24.9677

Tritanomaly

16.1319, 19.4565, 26.1978

Monochromacy



Original Color

15.8938, 19.5625, 24.7680

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.2981, 18.3275, 21.0909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8938, 19.5625, 24.7680 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(85, 130, 132) looks like.

```
.text, #text, p{  
    color:rgb(85, 130, 132)  
}
```

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(85, 130, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 130, 132) }
```

Border

The CSS property to change the border of an element to XYZ 15.8938, 19.5625, 24.7680 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(85, 130, 132) }
```


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

```
.border{ border-color:rgb(85, 130, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 130, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 130, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 130, 132);  
box-shadow:4px 4px 4px 4px rgb(85, 130,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8938, 19.5625, 24.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 130, 132) }
```

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

```
.background{ background-color: rgb(85, 130,  
132) }
```

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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