

Converting Colors

XYZ(15.0637, 19.6751, 18.6807)

Have a look what the booklet for
XYZ(15.0637, 19.6751, 18.6807)
contains.

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Color

**XYZ(15.0697, 19.6732,
18.6258)**

Conversions

Conversions Part 1

Format	Color
Hex	568471
RGB	86, 132, 113
RGB Percent	34%, 52%, 44%
CMY	0.6627, 0.4823, 0.5569
CMYK	0.35, 0.00, 0.14, 0.48
HSL	155°, 21%, 43%
HSV	155°, 35%, 52%
XYZ	15.0697, 19.6732, 18.6258
YIQ	116.0800, -21.3170, -15.6610

Conversions

Conversions Part 2

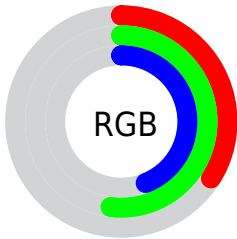
Format	Color
R_{YB}	86, 115, 132
Decimal	5670001
CIE _{Lab}	51.47, -20.18, 5.30
CIE _{LCh}	51, 20.865, 165.294
Yxy	19.6732, 0.2824, 0.3686
Android (android.graphics.Color)	4283860081 (0xFF568471)
YUV	116.0800, -1.5184, -26.3802
Hunter-Lab	44.3545, -16.9739, 6.1505

Details

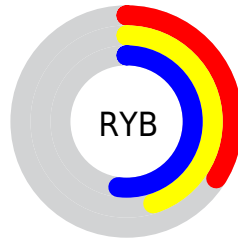
The XYZ color **15.0697, 19.6732, 18.6258** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.3941, 12.5817, 14.9828**, and the grayscale version is **16.6346, 17.5009, 19.0585**.

A 20% lighter version of the original color is **34.4570, 42.7329, 42.0295**, and **4.7344, 6.8096, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **13.6671, 18.9850, 17.0058**, and if you desaturate by 10%, it is **16.7164, 20.4861, 20.3544**.

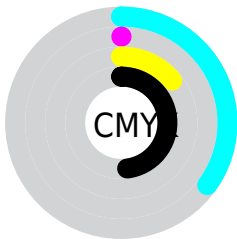
Distribution



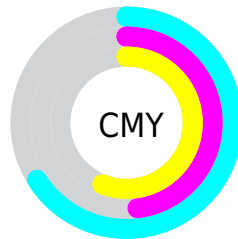
- Red (34%)
- Green (52%)
- Blue (44%)



- Red (34%)
- Yellow (45%)
- Blue (52%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (48%)



- Cyan (66%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0697, 19.6732, 18.6258 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 15.0697, 19.6732, 18.6258 by changing the saturation by 10% instead.

■ 15.0697, 19.6732,
18.6258

■ 15.0697, 19.6732,
18.6258

217.1677,
250.1404, 256.7286

■ 8.9550, 12.1577,
11.2261

■ 34.5461, 42.8686,
41.9291

■ 4.7687, 6.8512,
6.1031

■ 48.6384, 59.3173,
58.6698

■ 2.1455, 3.3692,
2.8381

■ 66.1206, 79.5125,
79.3612

■ 0.7138, 1.3274,
1.0125

■ 87.3581, 103.8387,
104.4219

■ 0.0000, 0.1623,
0.0000

■ 112.7162,
132.6802, 134.2705

■ 0.0000, 0.0000,
0.0000

142.5603,

166.4213, 169.3254

177.2557,
205.4466, 210.0053

■ 15.0697, 19.6732,
18.6258

■ 15.0697, 19.6732,
18.6258

■ 13.6671, 18.9850,
17.0058

■ 16.7164, 20.4861,
20.3544

■ 12.4941, 18.4127,
15.4907

■ 18.6172, 21.4273,
22.1924

■ 11.5375, 17.9498,
14.0787

■ 20.7837, 22.5032,
24.1423

■ 10.7818, 17.5885,
12.7673

■ 23.2261, 23.7192,
26.2063

■ 10.2093, 17.3196,
11.5537

■ 25.9543, 25.0802,
28.3863

■ 9.7952, 17.1305,
10.4350

■ 28.9774, 26.5909,
30.6841

■ 9.6080, 17.0458,
9.8933

■ 32.3042, 28.2559,
33.1018

■ 35.9433, 30.0795,
35.6410

■ 39.9028, 32.0658,
38.3036

Harmonies

Analogous

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



15.9816, 19.6732, 14.2921



15.0697, 19.6732, 18.6258



15.0790, 19.6732, 24.6074

Triad

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



15.0697, 19.6732, 18.6258



19.7807, 19.6732, 34.5741



21.6755, 19.6732, 14.2283

Complementary

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



15.0697, 19.6732, 18.6258



15.3941, 12.5817, 14.9828

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.



22.8560, 19.6732, 18.5219



15.0697, 19.6732, 18.6258



21.7077, 19.6732, 30.5958

Square

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



15.0697, 19.6732, 18.6258



17.6955, 19.6732, 34.6163



22.8682, 19.6732, 24.4822



19.7393, 19.6732, 12.0940

Rectangle

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



15.0697, 19.6732, 18.6258



15.6023, 19.6732, 28.7947



22.8682, 19.6732, 24.4822



22.1800, 19.6732, 15.4272

Sweetspot

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



15.0702, 19.6740, 18.6262



34.4985, 38.5890, 40.6540



15.7770, 20.1886, 11.8698



7.9264, 8.9319, 9.3694



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.



15.0702, 19.6740, 18.6262



24.5136, 33.6564, 30.4853



15.7442, 19.1270, 24.6927



4.7224, 5.2472, 5.5492



9.3053, 16.5050, 9.5931



0.0359, 0.0586, 0.0524

Inverse Universe

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



15.3941, 12.5817, 14.9828



25.1774, 19.1603, 23.0476



14.8382, 12.8623, 10.5052



4.7464, 4.7183, 5.2770



9.8729, 5.0135, 3.9030



0.0377, 0.0188, 0.0319

Previews

White Background



This preview shows how the XYZ color 15.0697, 19.6732, 18.6258 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 15.0697, 19.6732, 18.6258 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 15.0697, 19.6732, 18.6258

Background



This preview shows how black text looks on a background with the XYZ color 15.0697, 19.6732, 18.6258.

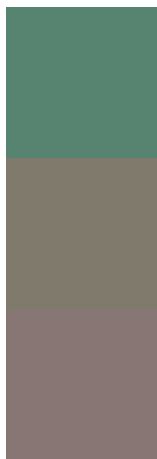


This preview shows how white text looks on a background with the XYZ color 15.0697, 19.6732,

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

15.0697, 19.6732, 18.6258

Protanopia

18.5684, 19.5910, 16.9901

Deuteranopia

19.7842, 19.4521, 19.2349



Tritanopia

16.7930, 19.5777, 27.3199

Trichromacy



Original Color

15.0697, 19.6732, 18.6258

Protanomaly

17.0854, 19.5582, 17.6265

Deuteranomaly

17.6487, 19.2553, 19.0061

Tritanomaly

16.0960, 19.4859, 24.0319

Monochromacy



Original Color

15.0697, 19.6732, 18.6258

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.8797, 18.1601, 18.8880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0697, 19.6732, 18.6258 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(86, 132, 113) looks like.

```
.text, #text, p{  
    color:rgb(86, 132, 113)  
}
```

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(86, 132, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 132, 113) }
```

Border

The CSS property to change the border of an element to XYZ 15.0697, 19.6732, 18.6258 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(86, 132, 113) }
```


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

```
.border{ border-color:rgb(86, 132, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 132, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 132, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 132, 113);  
box-shadow:4px 4px 4px 4px rgb(86, 132,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0697, 19.6732, 18.6258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 132, 113) }
```

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

```
.background{ background-color: rgb(86, 132,  
113) }
```

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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