

Converting Colors

XYZ(15.9180, 23.5696, 15.1373)

Have a look what the booklet for
XYZ(15.9180, 23.5696, 15.1373)
contains.

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Color

**XYZ(15.9720, 23.7051,
15.0430)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4F9461 |
| RGB | 79, 148, 97 |
| RGB Percent | 31%, 58%, 38% |
| CMY | 0.6902, 0.4196, 0.6196 |
| CMYK | 0.47, 0.00, 0.34, 0.42 |
| HSL | 136°, 30%, 45% |
| HSV | 136°, 47%, 58% |
| XYZ | 15.9720, 23.7051, 15.0430 |
| YIQ | 121.5550, -24.7530, -30.4890 |

Conversions

Conversions Part 2

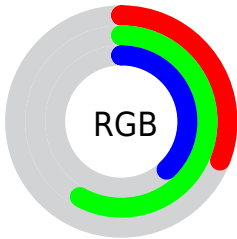
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 79, 134, 148 |
| Decimal | 5215329 |
| CIE _{Lab} | 55.79, -33.53, 20.39 |
| CIE _{LCh} | 56, 39.240, 148.700 |
| Yxy | 23.7051, 0.2919, 0.4332 |
| Android (android.graphics.Color) | 4283405409 (0xFF4F9461) |
| YUV | 121.5550, -12.1056, -37.3207 |
| Hunter-Lab | 48.6879, -26.6471, 15.7628 |

Details

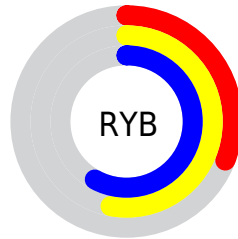
The XYZ color **15.9720, 23.7051, 15.0430** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.0387, 13.5000, 22.7222**, and the grayscale version is **18.3981, 19.3562, 21.0789**.

A 20% lighter version of the original color is **36.2170, 49.7555, 35.7119**, and **5.2271, 8.9739, 4.4742** is the 20% darker color. If you saturate the color by 10%, you get **14.4000, 22.9503, 12.4882**, and if you desaturate by 10%, it is **17.8897, 24.6313, 17.9823**.

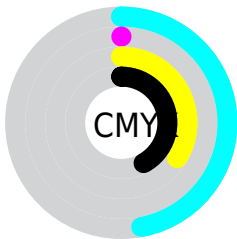
Distribution



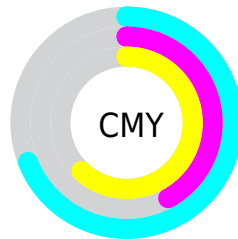
- Red (31%)
- Green (58%)
- Blue (38%)



- Red (31%)
- Yellow (53%)
- Blue (58%)



- Cyan (47%)
- Magenta (0%)
- Yellow (34%)
- Black (42%)



- Cyan (69%)
- Magenta (42%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9720, 23.7051, 15.0430 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 15.9720, 23.7051, 15.0430 by changing the saturation by 10% instead.

■ 15.9720, 23.7051,
15.0430

■ 15.9720, 23.7051,
15.0430

222.4501,
271.3262, 235.2761

■ 9.5951, 15.1150,
8.7026

■ 36.1074, 49.5485,
35.6720

■ 5.1915, 8.9001,
4.4536

■ 50.5966, 67.5707,
50.7976

■ 2.3960, 4.6761,
1.8773

■ 68.5206, 89.5056,
69.6888

■ 0.8431, 2.0585,
0.4782

■ 90.2448, 115.7377,
92.7640

■ 0.0000, 0.6411,
0.0000

■ 116.1345,
146.6515, 120.4418

■ 0.0000, 0.0000,
0.0000

146.5550,

182.6312, 153.1407

181.8717,
224.0613, 191.2793

■ 15.9720, 23.7051,
15.0430

■ 15.9720, 23.7051,
15.0430

■ 14.4000, 22.9503,
12.4882

■ 17.8897, 24.6313,
17.9823

■ 13.1506, 22.3533,
10.3002

■ 20.1707, 25.7357,
21.3194

■ 12.2006, 21.9033,
8.4627


■ 22.8335, 27.0282,
25.0691


■ 11.5230, 21.5866,
6.9570


■ 25.8948, 28.5171,
29.2449


■ 11.0763, 21.3823,
5.7626


■ 29.3705, 30.2103,
33.8595

 10.9501, 21.3246,
5.4246

 33.2752, 32.1152,
38.9253

 37.6232, 34.2388,
44.4542

 42.4280, 36.5879,
50.4575

 47.7023, 39.1688,
56.9463

Harmonies

Analogous

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



18.6604, 23.7051, 9.7114



15.9720, 23.7051, 15.0430



15.0023, 23.7051, 25.2580

Triad

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



15.9720, 23.7051, 15.0430



22.3371, 23.7051, 58.9521



30.9165, 23.7051, 15.7260

Complementary

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



15.9720, 23.7051, 15.0430



19.0387, 13.5000, 22.7222

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.



32.2324, 23.7051, 26.3716



15.9720, 23.7051, 15.0430



26.9029, 23.7051, 53.8851

Square

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



15.9720, 23.7051, 15.0430



18.3650, 23.7051, 52.9807



30.6771, 23.7051, 40.7794



27.2837, 23.7051, 10.0045

Rectangle

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



15.9720, 23.7051, 15.0430



15.3483, 23.7051, 34.5083



30.6771, 23.7051, 40.7794



31.6641, 23.7051, 18.7132

Sweetspot

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



15.9726, 23.7061, 15.0435



41.4880, 48.2717, 45.8890



21.3234, 26.5507, 11.3983



9.2387, 10.9065, 10.1553



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.9726, 23.7061, 15.0435



25.2846, 40.4343, 21.8273



17.8948, 24.4750, 25.1658



5.7880, 6.4918, 6.4946



9.3627, 18.2179, 4.6858



0.1253, 0.2273, 0.1137

Inverse Universe

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



19.0387, 13.5000, 22.7222



31.3695, 20.1283, 37.0282



17.1322, 12.7374, 12.6827



5.9714, 5.8836, 6.9554



12.8189, 6.3326, 13.0594



0.1690, 0.0823, 0.2235

Previews

White Background



This preview shows how the XYZ color 15.9720, 23.7051, 15.0430 looks on a white background.

Color Contrast Check

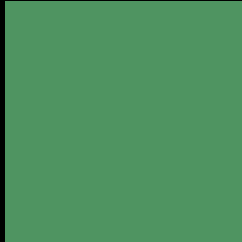
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9720, 23.7051, 15.0430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

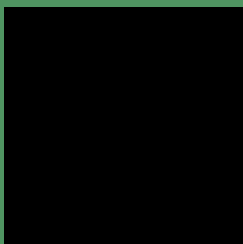
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9720, 23.7051, 15.0430

Background



This preview shows how black text looks on a background with the XYZ color 15.9720, 23.7051, 15.0430.



This preview shows how white text looks on a background with the XYZ color 15.9720, 23.7051,

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

15.9720, 23.7051, 15.0430

Protanopia

21.7775, 23.4597, 13.2779

Deuteranopia

23.8277, 23.4656, 15.8438



Tritanopia

19.6883, 23.6250, 33.6594

Trichromacy



Original Color

15.9720, 23.7051, 15.0430

Protanomaly

18.8100, 22.9603, 13.7963

Deuteranomaly

19.8663, 22.8372, 15.4176

Tritanomaly

18.1374, 23.6662, 25.8024

Monochromacy



Original Color

15.9720, 23.7051, 15.0430

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.0408, 20.4890, 18.6794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9720, 23.7051, 15.0430 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(79, 148, 97)` looks like.

```
.text, #text, p{  
    color:rgb(79, 148, 97)  
}
```

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(79, 148, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 148, 97) }
```

Border

The CSS property to change the border of an element to XYZ 15.9720, 23.7051, 15.0430 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(79, 148, 97) }
```


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

```
.border{ border-color:rgb(79, 148, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 148, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 148, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 148, 97);  
box-shadow:4px 4px 4px 4px rgb(79, 148,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9720, 23.7051, 15.0430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 148, 97) }
```

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

```
.background{ background-color: rgb(79, 148,  
97) }
```

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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