

Converting Colors

XYZ(15.9817, 19.6285, 9.7092)

Have a look what the booklet for
XYZ(15.9817, 19.6285, 9.7092)
contains.

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Color

**XYZ(15.9631, 19.5376,
9.7673)**

Conversions

Conversions Part 1

Format	Color
Hex	72804C
RGB	114, 128, 76
RGB Percent	45%, 50%, 30%
CMY	0.5529, 0.4980, 0.7020
CMYK	0.11, 0.00, 0.41, 0.50
HSL	76°, 25%, 40%
HSV	76°, 41%, 50%
XYZ	15.9631, 19.5376, 9.7673
YIQ	117.8860, 8.3480, -19.1400

Conversions

Conversions Part 2

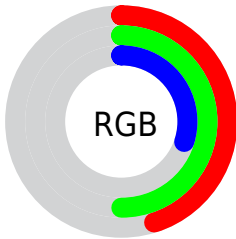
Format	Color
R_{YB}	76, 128, 90
Decimal	7503948
CIE Lab	51.31, -14.27, 26.52
CIE LCh	51, 30.116, 118.275
Yxy	19.5376, 0.3526, 0.4316
Android (android.graphics.Color)	4285694028 (0xFF72804C)
YUV	117.8860, -20.6498, -3.4080
Hunter-Lab	44.2014, -12.8880, 17.8395

Details

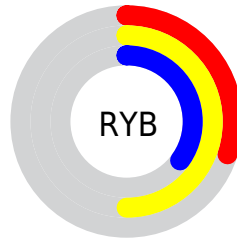
The XYZ color **15.9631, 19.5376, 9.7673** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.6981, 8.9017, 21.5776**, and the grayscale version is **17.2454, 18.1435, 19.7583**.

A 20% lighter version of the original color is **36.2261, 42.7696, 26.0847**, and **5.2103, 6.8095, 2.2681** is the 20% darker color. If you saturate the color by 10%, you get **15.1219, 19.1510, 7.6317**, and if you desaturate by 10%, it is **16.9108, 19.9701, 12.3710**.

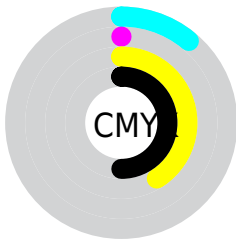
Distribution



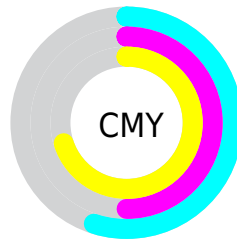
- Red (45%)
- Green (50%)
- Blue (30%)



- Red (30%)
- Yellow (50%)
- Blue (35%)



- Cyan (11%)
- Magenta (0%)
- Yellow (41%)
- Black (50%)



- Cyan (55%)
- Magenta (50%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9631, 19.5376, 9.7673 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 15.9631, 19.5376, 9.7673 by changing the saturation by 10% instead.

■ 15.9631, 19.5376,
9.7673

■ 15.9631, 19.5376,
9.7673

222.3986,
249.4008, 199.4272

■ 9.5887, 12.0594,
5.1414

■ 36.0921, 42.6406,
25.9578

■ 5.1873, 6.7841,
2.2703

■ 50.5774, 59.0341,
38.3595

■ 2.3935, 3.3275,
0.7145

■ 68.4971, 79.1682,
54.1901

■ 0.8418, 1.3050,
0.0000

■ 90.2166, 103.4272,
73.8683

■ 0.0000, 0.1451,
0.0000

■ 116.1010,
132.1956, 97.8126

■ 0.0000, 0.0000,
0.0000

146.5160,

165.8577, 126.4415

181.8267,
204.7980, 160.1735

■ 15.9631, 19.5376,
9.7673

■ 15.9631, 19.5376,
9.7673

■ 15.1219, 19.1510,
7.6317

■ 16.9108, 19.9701,
12.3710

■ 14.3802, 18.8054,
5.9351

■ 17.9685, 20.4480,
15.4670

■ 13.7324, 18.4993,
4.6471

■ 19.1414, 20.9739,
19.0795

■ 13.1719, 18.2300,
3.7330

■ 20.4339, 21.5496,
23.2307

■ 12.6907, 17.9943,
3.1522

■ 21.8500, 22.1769,
27.9412

■ 12.2880, 17.7943,
2.7870

■ 23.3938, 22.8572,
33.2310

■ 25.0689, 23.5922,
39.1188

■ 26.8789, 24.3832,
45.6225

■ 28.8273, 25.2317,
52.7593

Harmonies

Analogous

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



18.7445, 19.5376, 8.6419



15.9631, 19.5376, 9.7673



14.0727, 19.5376, 13.6988

Triad

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



15.9631, 19.5376, 9.7673



15.6921, 19.5376, 38.6978



24.9704, 19.5376, 21.7755

Complementary

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



15.9631, 19.5376, 9.7673



10.6981, 8.9017, 21.5776

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.



23.9356, 19.5376, 31.2241



15.9631, 19.5376, 9.7673



18.3964, 19.5376, 42.4918

Square

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



15.9631, 19.5376, 9.7673



13.9285, 19.5376, 30.1221



21.4461, 19.5376, 39.4455



24.1424, 19.5376, 14.3529

Rectangle

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



15.9631, 19.5376, 9.7673



13.4638, 19.5376, 18.0820



21.4461, 19.5376, 39.4455



24.8269, 19.5376, 24.8192

Sweetspot

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



15.9636, 19.5385, 9.7677



33.3443, 36.7668, 32.4763



13.8523, 12.4015, 8.5014



7.7552, 8.5850, 7.4425



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.9636, 19.5385, 9.7677



26.6924, 33.7485, 13.6045



13.0615, 18.0424, 9.6319



4.5559, 4.9630, 4.6380



12.1850, 17.6440, 2.7634



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.6981, 8.9017, 21.5776



16.0638, 12.2566, 37.4754



13.6662, 10.4318, 21.7165



4.2091, 4.2634, 5.4143



4.5342, 1.8912, 20.3760



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.9631, 19.5376, 9.7673 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 15.9631, 19.5376, 9.7673 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 15.9631, 19.5376, 9.7673

Background



This preview shows how black text looks on a background with the XYZ color 15.9631, 19.5376, 9.7673.



This preview shows how white text looks on a background with the XYZ color 15.9631, 19.5376,

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

15.9631, 19.5376, 9.7673

Protanopia

17.8684, 19.4000, 9.2814

Deuteranopia

19.8052, 19.4901, 10.1153



Tritanopia

18.8193, 19.3784, 24.2212

Trichromacy



Original Color

15.9631, 19.5376, 9.7673

Protanomaly

17.0818, 19.3589, 9.4929

Deuteranomaly

18.2042, 19.3757, 9.9881

Tritanomaly

17.5481, 19.4146, 17.8614

Monochromacy



Original Color

15.9631, 19.5376, 9.7673

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7438, 18.6802, 15.5551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9631, 19.5376, 9.7673 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(114, 128, 76)` looks like.

```
.text, #text, p{  
    color:rgb(114, 128, 76)  
}
```

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(114, 128, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 128, 76) }
```

Border

The CSS property to change the border of an element to XYZ 15.9631, 19.5376, 9.7673 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(114, 128, 76) }
```


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

```
.border{ border-color:rgb(114, 128, 76) }
```

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

Here you see how a box with a 4 pixel rgb(114, 128, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 128, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 128, 76);  
box-shadow:4px 4px 4px 4px rgb(114, 128,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9631, 19.5376, 9.7673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 128, 76) }
```

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

```
.background{ background-color: rgb(114,  
128, 76) }
```

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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