

Converting Colors

XYZ(15.8128, 19.9329, 7.4076)

Have a look what the booklet for
XYZ(15.8128, 19.9329, 7.4076)
contains.

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Color

**XYZ(15.7644, 19.8796,
7.4212)**

Conversions

Conversions Part 1

Format	Color
Hex	72823D
RGB	114, 130, 61
RGB Percent	45%, 51%, 24%
CMY	0.5529, 0.4902, 0.7608
CMYK	0.12, 0.00, 0.53, 0.49
HSL	74°, 36%, 37%
HSV	74°, 53%, 51%
XYZ	15.7644, 19.8796, 7.4212
YIQ	117.3500, 12.6130, -24.8510

Conversions

Conversions Part 2

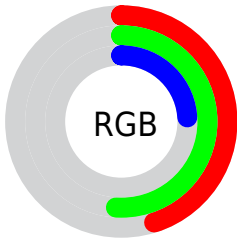
Format	Color
RYB	61, 130, 77
Decimal	7504445
CIELab	51.70, -17.10, 35.03
CIElCh	52, 38.980, 116.018
Yxy	19.8796, 0.3661, 0.4616
Android (android.graphics.Color)	4285694525 (0xFF72823D)
YUV	117.3500, -27.7805, -2.9379
Hunter-Lab	44.5865, -14.9145, 21.3421

Details

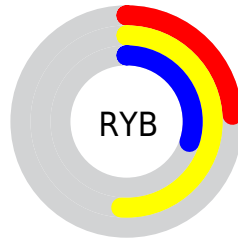
The XYZ color **15.7644, 19.8796, 7.4212** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7593, 6.5275, 21.9185**, and the grayscale version is **17.0985, 17.9890, 19.5900**.

A 20% lighter version of the original color is **35.6843, 43.2083, 21.2111**, and **5.1231, 7.0014, 1.4292** is the 20% darker color. If you saturate the color by 10%, you get **15.0703, 19.5581, 5.7773**, and if you desaturate by 10%, it is **16.5574, 20.2435, 9.5138**.

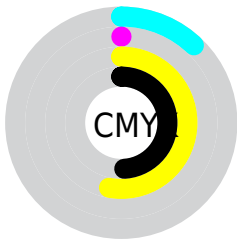
Distribution



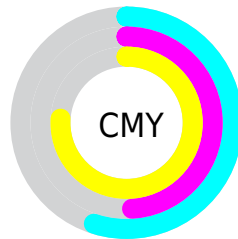
- Red (45%)
- Green (51%)
- Blue (24%)



- Red (24%)
- Yellow (51%)
- Blue (30%)



- Cyan (12%)
- Magenta (0%)
- Yellow (53%)
- Black (49%)



- Cyan (55%)
- Magenta (49%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7644, 19.8796, 7.4212 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 15.7644, 19.8796, 7.4212 by changing the saturation by 10% instead.

■ 15.7644, 19.8796,
7.4212

■ 15.7644, 19.8796,
7.4212

■ 221.2453,
251.2626, 180.8807

■ 9.4474, 12.3076,
3.6445

■ 35.7495, 43.2152,
21.3428

■ 5.0936, 6.9535,
1.4324

■ 50.1482, 59.7476,
32.3248

■ 2.3376, 3.4330,
0.1668

■ 67.9716, 80.0356,
46.5455

■ 0.8138, 1.3618,
0.0000

■ 89.5850, 104.4635,
64.4237

■ 0.0000, 0.1883,
0.0000

■ 115.3536,
133.4157, 86.3777

■ 0.0000, 0.0000,
0.0000

■ 145.6430,

167.2767, 112.8262

180.8185,
206.4309, 144.1877

■ 15.7644, 19.8796,
7.4212

■ 15.7644, 19.8796,
7.4212

■ 15.0703, 19.5581,
5.7773

■ 16.5574, 20.2435,
9.5138

■ 14.4671, 19.2737,
4.5479

■ 17.4534, 20.6495,
12.0833

■ 13.9483, 19.0246,
3.6961

■ 18.4584, 21.1006,
15.1574

■ 13.5050, 18.8071,
3.1768

■ 19.5770, 21.5987,
18.7610

■ 13.2223, 18.6670,
2.9062

■ 20.8140, 22.1456,
22.9175

■ 22.1735, 22.7432,
27.6489

■ 23.6597, 23.3930,
32.9760

■ 25.2763, 24.0965,
38.9185

■ 27.0271, 24.8554,
45.4953

Harmonies

Analogous

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



19.4257, 19.8796, 6.4192



15.7644, 19.8796, 7.4212



13.2861, 19.8796, 11.6465

Triad

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



15.7644, 19.8796, 7.4212



14.9709, 19.8796, 45.0659



27.4998, 19.8796, 23.1867

Complementary

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



15.7644, 19.8796, 7.4212



8.7593, 6.5275, 21.9185

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.



25.8947, 19.8796, 36.1692



15.7644, 19.8796, 7.4212



18.3740, 19.8796, 51.2852

Square

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



15.7644, 19.8796, 7.4212



12.8746, 19.8796, 32.6191



22.4147, 19.8796, 47.5662



26.5489, 19.8796, 13.4587

Rectangle

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



15.7644, 19.8796, 7.4212



12.4587, 19.8796, 16.8173



22.4147, 19.8796, 47.5662



27.2360, 19.8796, 27.3192

Sweetspot

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



15.7649, 19.8805, 7.4216



33.8049, 37.7375, 30.8470



12.6300, 10.2454, 5.7271



7.5760, 8.5081, 6.7376



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.



15.7649, 19.8805, 7.4216



26.2723, 34.3168, 9.5960



12.1805, 18.0327, 7.2539



4.5709, 4.9708, 4.6387



12.6835, 17.9010, 2.7867



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.7593, 6.5275, 21.9185



12.5409, 8.0901, 38.0931



12.1853, 8.2937, 22.0788



4.1950, 4.2561, 5.4137



4.3864, 1.8150, 20.3691



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7644, 19.8796, 7.4212 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 15.7644, 19.8796, 7.4212 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 15.7644, 19.8796, 7.4212

Background



This preview shows how black text looks on a background with the XYZ color 15.7644, 19.8796, 7.4212.



This preview shows how white text looks on a background with the XYZ color 15.7644, 19.8796,

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

15.7644, 19.8796, 7.4212

Protanopia

18.0257, 19.7159, 6.9932

Deuteranopia

20.0492, 19.6721, 7.5909



Tritanopia

19.1504, 19.7226, 24.6273

Trichromacy



Original Color

15.7644, 19.8796, 7.4212

Protanomaly

17.1786, 19.8371, 7.1985

Deuteranomaly

18.3380, 19.6812, 7.5350

Tritanomaly

17.5429, 19.6298, 16.5000

Monochromacy



Original Color

15.7644, 19.8796, 7.4212

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.3197, 18.4951, 14.0190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7644, 19.8796, 7.4212 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, 130, 61)` looks like.

```
.text, #text, p{  
    color:rgb(114, 130, 61)  
}
```

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, 130, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 130, 61) }
```

Border

The CSS property to change the border of an element to XYZ 15.7644, 19.8796, 7.4212 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, 130, 61) }
```


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

```
.border{ border-color:rgb(114, 130, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 130, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 130, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 130, 61);  
box-shadow:4px 4px 4px 4px rgb(114, 130,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7644, 19.8796, 7.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 130, 61) }
```

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

```
.background{ background-color: rgb(114,  
130, 61) }
```

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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