

Converting Colors

XYZ(15.9788, 15.4775, 21.1608)

Have a look what the booklet for
XYZ(15.9788, 15.4775, 21.1608)
contains.

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Color

**XYZ(15.9946, 15.4763,
21.2130)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 746A7C |
| RGB | 116, 106, 124 |
| RGB Percent | 45%, 42%, 49% |
| CMY | 0.5451, 0.5843, 0.5137 |
| CMYK | 0.06, 0.15, 0.00, 0.51 |
| HSL | 273°, 8%, 45% |
| HSV | 273°, 15%, 49% |
| XYZ | 15.9946, 15.4763, 21.2130 |
| YIQ | 111.0420, 0.1820, 7.7180 |

Conversions

Conversions Part 2

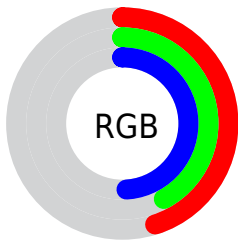
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 116, 106, 124 |
| Decimal | 7629436 |
| CIE _{Lab} | 46.28, 7.60, -8.56 |
| CIE _{LCh} | 46, 11.449, 311.583 |
| Yxy | 15.4763, 0.3036, 0.2938 |
| Android (android.graphics.Color) | 4285819516 (0xFF746A7C) |
| YUV | 111.0420, 6.3883, 4.3482 |
| Hunter-Lab | 39.3399, 3.7286, -4.4326 |

Details

The XYZ color **15.9946, 15.4763, 21.2130** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7491, 19.0337, 16.4275**, and the grayscale version is **15.1040, 15.8906, 17.3049**.

A 20% lighter version of the original color is **36.1412, 35.6131, 46.5641**, and **5.2179, 4.8649, 7.3206** is the 20% darker color. If you saturate the color by 10%, you get **14.0971, 12.7367, 20.7844**, and if you desaturate by 10%, it is **18.1213, 18.6093, 21.7059**.

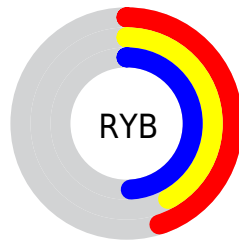
Distribution



Red (45%)

Green (42%)

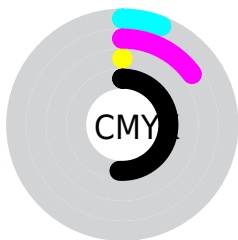
Blue (49%)



Red (45%)

Yellow (42%)

Blue (49%)

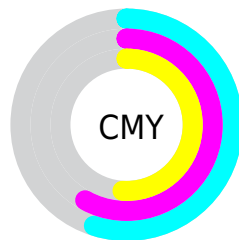


Cyan (6%)

Magenta (15%)

Yellow (0%)

Black (51%)



Cyan (55%)

Magenta (58%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9946, 15.4763, 21.2130 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 15.9946, 15.4763, 21.2130 by changing the saturation by 10% instead.

■ 15.9946, 15.4763,
21.2130

■ 15.9946, 15.4763,
21.2130

222.5809,
226.2313, 271.2264

■ 9.6112, 9.1543,
13.0870

■ 36.1464, 35.6866,
46.3271

■ 5.2022, 4.8420,
7.3571

■ 50.6454, 50.3438,
64.1524

■ 2.4024, 2.1549,
3.6046

■ 68.5803, 68.5481,
86.0478

■ 0.8463, 0.6952,
1.4110

■ 90.3165, 90.6840,
112.4320

■ 0.0000, 0.0000,
0.1503

116.2193,
117.1359, 143.7233

■ 0.0000, 0.0000,
0.0000

146.6540,

148.2881, 180.3405

181.9861,
184.5251, 222.7021

■ 15.9946, 15.4763,
21.2130

■ 15.9946, 15.4763,
21.2130

■ 14.0971, 12.7367,
20.7844

■ 18.1213, 18.6093,
21.7059

■ 12.4188, 10.3722,
20.4165

■ 20.4839, 22.1488,
22.2645

■ 10.9509, 8.3663,
20.1067

■ 23.0908, 26.1100,
22.8917

■ 9.6834, 6.7001,
19.8519

■ 25.9491, 30.5064,
23.5897

■ 8.6056, 5.3532,
19.6487

■ 29.0659, 35.3512,
24.3606

7.7054, 4.3029,
19.4934

32.4480, 40.6569,
25.2064

6.9691, 3.5232,
19.3818

36.1019, 46.4354,
26.1292

6.3777, 2.9772,
19.3075

40.0338, 52.6983,
27.1308

6.0844, 2.7163,
19.2726

44.2497, 59.4568,
28.2131

Harmonies

Analogous

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



15.0909, 15.4763, 22.7022



15.9946, 15.4763, 21.2130



16.5687, 15.4763, 18.6120

Triad

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



15.9946, 15.4763, 21.2130



15.3124, 15.4763, 12.2369



12.9420, 15.4763, 17.9567

Complementary

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



15.9946, 15.4763, 21.2130



16.7491, 19.0337, 16.4275

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.



12.9953, 15.4763, 15.2048



15.9946, 15.4763, 21.2130



14.3351, 15.4763, 12.1030

Square

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



15.9946, 15.4763, 21.2130



16.1629, 15.4763, 13.5208



13.4956, 15.4763, 13.1322



13.3464, 15.4763, 20.6877

Rectangle

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



15.9946, 15.4763, 21.2130



16.6725, 15.4763, 16.7026



13.4956, 15.4763, 13.1322



12.9075, 15.4763, 17.0004

Sweetspot

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



15.9951, 15.4770, 21.2133



32.0548, 32.9943, 38.2357



15.6111, 16.5772, 21.4459



7.4885, 7.6801, 8.9908



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.9951, 15.4770, 21.2133



27.1417, 25.7728, 37.1007



17.0481, 16.0263, 20.9669



3.9907, 3.9931, 5.0036



6.1822, 2.7598, 19.5921



28.4986, 12.6536, 93.4101

Inverse Universe

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



16.5040, 15.8087, 18.1018



28.2094, 26.4680, 30.6038



15.8006, 18.5393, 16.6287



4.0654, 4.0419, 4.5423



9.1527, 4.6372, 4.0948



43.2441, 21.9540, 17.3475

Previews

White Background



This preview shows how the XYZ color 15.9946, 15.4763, 21.2130 looks on a white 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

Black Background



This preview shows how the XYZ color 15.9946, 15.4763, 21.2130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

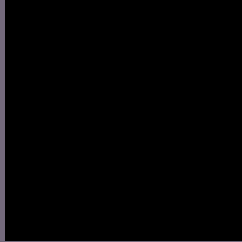
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9946, 15.4763, 21.2130

Background



This preview shows how black text looks on a background with the XYZ color 15.9946, 15.4763, 21.2130.



This preview shows how white text looks on a background with the XYZ color 15.9946, 15.4763,

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

15.9946, 15.4763, 21.2130

Protanopia

15.2979, 15.5694, 21.9376

Deuteranopia

15.8352, 15.5480, 21.2352



Tritanopia

15.4803, 15.4212, 18.6837

Trichromacy



Original Color

15.9946, 15.4763, 21.2130

Protanomaly

15.4946, 15.5208, 21.5812

Deuteranomaly

15.9660, 15.6155, 21.2414

Tritanomaly

15.6577, 15.4921, 19.6178

Monochromacy



Original Color

15.9946, 15.4763, 21.2130

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4311, 15.7089, 18.7418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9946, 15.4763, 21.2130 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(116, 106, 124)` looks like.

```
.text, #text, p{  
    color:rgb(116, 106, 124)  
}
```

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(116, 106, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 106, 124) }
```

Border

The CSS property to change the border of an element to XYZ 15.9946, 15.4763, 21.2130 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(116, 106, 124) }
```


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

```
.border{ border-color:rgb(116, 106, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 106, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 106, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 106, 124);  
box-shadow:4px 4px 4px 4px rgb(116, 106,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9946, 15.4763, 21.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 106, 124) }
```

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

```
.background{ background-color: rgb(116,  
106, 124) }
```

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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