

Converting Colors

XYZ(15.9491, 15.7710, 19.9251)

Have a look what the booklet for
XYZ(15.9491, 15.7710, 19.9251)
contains.

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Color

**XYZ(15.9552, 15.7942,
19.9770)**

Conversions

Conversions Part 1

Format	Color
Hex	746C78
RGB	116, 108, 120
RGB Percent	45%, 42%, 47%
CMY	0.5451, 0.5765, 0.5294
CMYK	0.03, 0.10, 0.00, 0.53
HSL	280°, 5%, 45%
HSV	280°, 10%, 47%
XYZ	15.9552, 15.7942, 19.9770
YIQ	111.7600, 0.9160, 5.4280

Conversions

Conversions Part 2

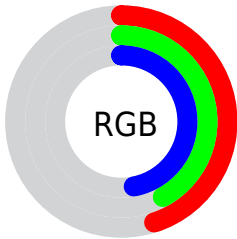
Format	Color
R_{YB}	116, 108, 120
Decimal	7629944
CIE Lab	46.70, 5.55, -5.54
CIE LCh	47, 7.837, 315.050
Yxy	15.7942, 0.3085, 0.3053
Android (android.graphics.Color)	4285820024 (0xFF746C78)
YUV	111.7600, 4.0623, 3.7185
Hunter-Lab	39.7419, 2.1141, -1.9839

Details

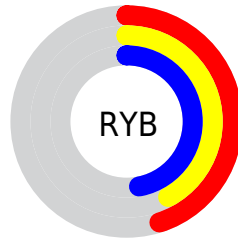
The XYZ color **15.9552, 15.7942, 19.9770** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1059, 17.9609, 16.8061**, and the grayscale version is **15.3195, 16.1173, 17.5517**.

A 20% lighter version of the original color is **35.9930, 36.0997, 44.1006**, and **5.2223, 5.0343, 6.8274** is the 20% darker color. If you saturate the color by 10%, you get **14.2555, 13.1671, 19.5597**, and if you desaturate by 10%, it is **17.8530, 18.7829, 20.4541**.

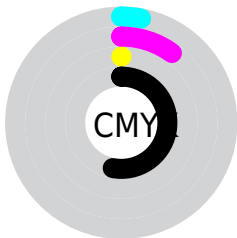
Distribution



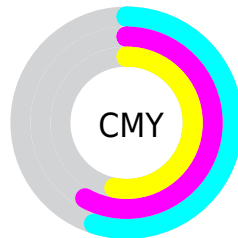
- Red (45%)
- Green (42%)
- Blue (47%)



- Red (45%)
- Yellow (42%)
- Blue (47%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)
- Black (53%)



- Cyan (55%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9552, 15.7942, 19.9770 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 15.9552, 15.7942, 19.9770 by changing the saturation by 10% instead.

■ 15.9552, 15.7942,
19.9770

■ 15.9552, 15.7942,
19.9770

222.3528,
228.1243, 264.3907

■ 9.5831, 9.3786,
12.1944

■ 36.0785, 36.2406,
44.2371

■ 5.1836, 4.9890,
6.7521

■ 50.5604, 51.0401,
61.5517

■ 2.3912, 2.2408,
3.2315

■ 68.4763, 69.4032,
82.8807

■ 0.8407, 0.7421,
1.2140

■ 90.1915, 91.7141,
108.6426

■ 0.0000, 0.0000,
0.0000

116.0714,
118.3573, 139.2560

146.4813,

149.7171, 175.1395

181.7867,
186.1780, 216.7115

■ 15.9552, 15.7942,
19.9770

■ 15.9552, 15.7942,
19.9770

■ 14.2555, 13.1671,
19.5597

■ 17.8530, 18.7829,
20.4541

■ 12.7451, 10.8853,
19.1989

■ 19.9544, 22.1447,
20.9922

■ 11.4166, 8.9341,
18.8923

■ 22.2665, 25.8930,
21.5939

■ 10.2616, 7.2973,
18.6373

■ 24.7955, 30.0399,
22.2610

■ 9.2709, 5.9569,
18.4307

■ 27.5475, 34.5971,
22.9956

8.4345, 4.8931,
18.2695

30.5282, 39.5758,
23.7995

7.7411, 4.0840,
18.1499

33.7431, 44.9866,
24.6744

7.1775, 3.5037,
18.0676

37.1977, 50.8400,
25.6221

6.6981, 3.0614,
18.0075

40.8971, 57.1457,
26.6443

Harmonies

Analogous

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



15.3536, 15.7942, 21.0675



15.9552, 15.7942, 19.9770



16.3092, 15.7942, 18.1801

Triad

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



15.9552, 15.7942, 19.9770



15.3513, 15.7942, 13.8311



13.7858, 15.7942, 18.1867

Complementary

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



15.9552, 15.7942, 19.9770



16.1059, 17.9609, 16.8061

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.



13.7853, 15.7942, 16.2503



15.9552, 15.7942, 19.9770



14.6754, 15.7942, 13.8325

Square

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



15.9552, 15.7942, 19.9770



15.9535, 15.7942, 14.6839



14.1066, 15.7942, 14.6880



14.1081, 15.7942, 19.9821

Rectangle

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



15.9552, 15.7942, 19.9770



16.3506, 15.7942, 16.8701



14.1066, 15.7942, 14.6880



13.7483, 15.7942, 17.5285

Sweetspot

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



15.9557, 15.7949, 19.9773



30.3359, 31.3503, 35.7054



15.3914, 16.1774, 20.0809



7.1314, 7.3382, 8.4472



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.9557, 15.7949, 19.9773



27.3461, 26.6638, 34.9584



16.3907, 16.0316, 19.4328



4.0308, 4.0138, 5.0055



7.2917, 3.3318, 19.6441



33.8518, 15.4133, 93.6607

Inverse Universe

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



16.0335, 15.8888, 17.5518



27.5186, 26.8679, 29.7647



15.7050, 17.7430, 17.2925



4.0483, 4.0351, 4.4521



8.8619, 4.5209, 2.5639



41.9147, 21.4222, 10.3467

Previews

White Background



This preview shows how the XYZ color 15.9552, 15.7942, 19.9770 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 15.9552, 15.7942, 19.9770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

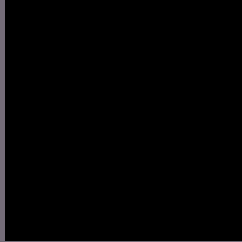
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9552, 15.7942, 19.9770

Background



This preview shows how black text looks on a background with the XYZ color 15.9552, 15.7942, 19.9770.



This preview shows how white text looks on a background with the XYZ color 15.9552, 15.7942,

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

15.9552, 15.7942, 19.9770

Protanopia

15.4575, 15.8473, 20.3333

Deuteranopia

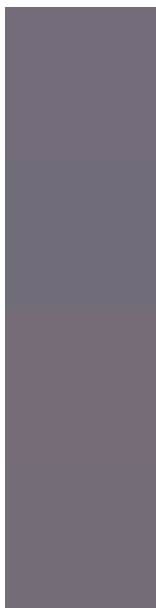
16.0888, 15.8631, 19.9832



Tritanopia

15.7759, 15.7225, 19.0329

Trichromacy



Original Color

15.9552, 15.7942, 19.9770

Protanomaly

15.6019, 15.7625, 20.3093

Deuteranomaly

16.0888, 15.8631, 19.9832

Tritanomaly

15.8350, 15.7461, 19.3443

Monochromacy



Original Color

15.9552, 15.7942, 19.9770

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5890, 16.1174, 18.5090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9552, 15.7942, 19.9770 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, 108, 120)` looks like.

```
.text, #text, p{  
    color:rgb(116, 108, 120)  
}
```

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, 108, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 108, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.9552, 15.7942, 19.9770 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, 108, 120) }
```


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

```
.border{ border-color:rgb(116, 108, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 108, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 108, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 108, 120);  
box-shadow:4px 4px 4px 4px rgb(116, 108,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9552, 15.7942, 19.9770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 108, 120) }
```

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

```
.background{ background-color: rgb(116,  
108, 120) }
```

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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