

Converting Colors

XYZ(15.9519, 18.1490, 21.0747)

Have a look what the booklet for
XYZ(15.9519, 18.1490, 21.0747)
contains.

XYZ(15.9519, 18.1490, 21.0747)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.9519, 18.1490,
21.0747)**

Conversions

Conversions Part 1

Format	Color
Hex	667A7A
RGB	102, 122, 122
RGB Percent	40%, 48%, 48%
CMY	0.6000, 0.5216, 0.5216
CMYK	0.16, 0.00, 0.00, 0.52
HSL	180°, 9%, 44%
HSV	180°, 16%, 48%
XYZ	15.9519, 18.1490, 21.0747
YIQ	116.0200, -11.9200, -4.2400

Conversions

Conversions Part 2

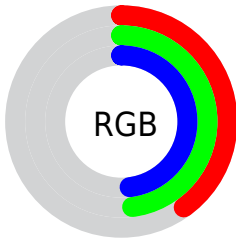
Format	Color
R_{YB}	102, 112, 122
Decimal	6716026
CIE Lab	49.68, -7.29, -2.46
CIE LCh	50, 7.690, 198.620
Yxy	18.1490, 0.2891, 0.3289
Android (android.graphics.Color)	4284906106 (0xFF667A7A)
YUV	116.0200, 2.9481, -12.2955
Hunter-Lab	42.6016, -7.7147, 0.4909

Details

The XYZ color **15.9519, 18.1490, 21.0747** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1764, 14.6002, 14.5895**, and the grayscale version is **16.6009, 17.4654, 19.0198**.

A 20% lighter version of the original color is **35.9129, 40.1004, 45.8917**, and **5.1607, 6.0584, 7.2007** is the 20% darker color. If you saturate the color by 10%, you get **14.6698, 17.4886, 21.0147**, and if you desaturate by 10%, it is **17.4385, 18.9159, 21.1450**.

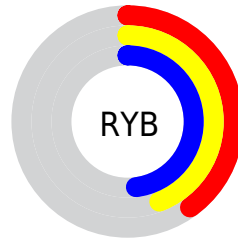
Distribution



Red (40%)

Green (48%)

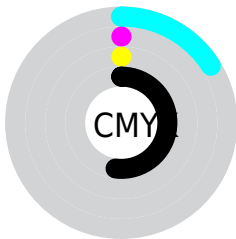
Blue (48%)



Red (40%)

Yellow (44%)

Blue (48%)

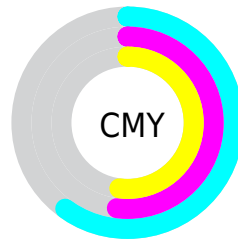


Cyan (16%)

Magenta (0%)

Yellow (0%)

Black (52%)



Cyan (60%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9519, 18.1490, 21.0747 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 15.9519, 18.1490, 21.0747 by changing the saturation by 10% instead.

■ 15.9519, 18.1490,
21.0747

■ 15.9519, 18.1490,
21.0747

222.3337,
241.7095, 270.4693

■ 9.5808, 11.0570,
12.9868

■ 36.0728, 40.2911,
46.0942

■ 5.1820, 6.1052,
7.2889

■ 50.5533, 56.1099,
63.8630

■ 2.3903, 2.9092,
3.5622

■ 68.4676, 75.6065,
85.6958

■ 0.8403, 1.0845,
1.3884

■ 90.1810, 99.1653,
112.0111

■ 0.0000, 0.0000,
0.1326

116.0590,
127.1705, 143.2276

■ 0.0000, 0.0000,
0.0000

146.4669,

160.0068, 179.7638

181.7700,
198.0583, 222.0382

■ 15.9519, 18.1490,
21.0747

■ 15.9519, 18.1490,
21.0747

■ 14.6698, 17.4886,
21.0147

■ 17.4385, 18.9159,
21.1450

■ 13.5819, 16.9277,
20.9635

■ 19.1365, 19.7912,
21.2248

■ 12.6792, 16.4623,
20.9209

■ 21.0541, 20.7798,
21.3149

■ 11.9513, 16.0871,
20.8864

■ 23.1989, 21.8854,
21.4157

■ 11.3869, 15.7962,
20.8597

■ 25.5779, 23.1118,
21.5273

■ 10.9734, 15.5830,
20.8400

■ 28.1980, 24.4625,
21.6503

■ 10.6964, 15.4402,
20.8267

■ 31.0656, 25.9408,
21.7849

■ 10.5273, 15.3531,
20.8184

■ 34.1870, 27.5500,
21.9313

■ 10.4722, 15.3247,
20.8157

■ 37.5682, 29.2930,
22.0899

Harmonies

Analogous

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



15.9083, 18.1490, 18.9774



15.9519, 18.1490, 21.0747



16.3374, 18.1490, 22.9386

Triad

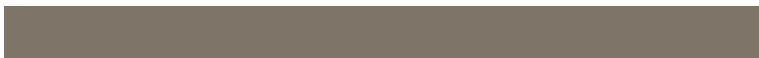
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.9519, 18.1490, 21.0747



18.3265, 18.1490, 22.5438



17.5290, 18.1490, 16.0713

Complementary

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



15.9519, 18.1490, 21.0747



15.1764, 14.6002, 14.5895

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.



18.1961, 18.1490, 16.8916



15.9519, 18.1490, 21.0747



18.6652, 18.1490, 20.5663

Square

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



15.9519, 18.1490, 21.0747



17.7028, 18.1490, 23.8272



18.6168, 18.1490, 18.5034



16.8051, 18.1490, 16.1862

Rectangle

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



15.9519, 18.1490, 21.0747



16.7427, 18.1490, 23.7522



18.6168, 18.1490, 18.5034



17.7676, 18.1490, 16.2443

Sweetspot

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



15.9524, 18.1498, 21.0751



31.0376, 33.4624, 37.2156



14.8757, 17.7234, 15.2077



7.0604, 7.6325, 8.5077



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.



15.9524, 18.1498, 21.0751



27.0990, 31.4320, 37.0303



14.8239, 15.8926, 20.6995



4.1071, 4.5124, 5.0976



11.0250, 16.1337, 21.9146



52.5904, 76.9592, 104.5338

Inverse Universe

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



15.1764, 14.6002, 14.5895



25.4398, 23.8429, 23.1637



16.1824, 16.6125, 14.9244



3.9983, 4.0151, 4.1888



8.4502, 4.3562, 0.3958



40.3082, 20.7796, 1.8870

Previews

White Background



This preview shows how the XYZ color 15.9519, 18.1490, 21.0747 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 15.9519, 18.1490, 21.0747 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

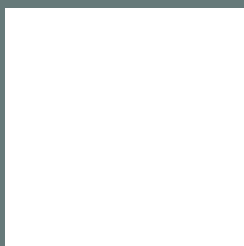
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9519, 18.1490, 21.0747

Background



This preview shows how black text looks on a background with the XYZ color 15.9519, 18.1490, 21.0747.



This preview shows how white text looks on a background with the XYZ color 15.9519, 18.1490,

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

15.9519, 18.1490, 21.0747

Protanopia

17.4368, 18.0476, 20.0173

Deuteranopia

18.4078, 18.0019, 21.5733



Tritanopia

16.5756, 18.2295, 23.7641

Trichromacy



Original Color

15.9519, 18.1490, 21.0747

Protanomaly

16.7970, 18.0604, 20.3700

Deuteranomaly

17.4077, 18.0042, 21.2966

Tritanomaly

16.2617, 18.0906, 22.7134

Monochromacy



Original Color

15.9519, 18.1490, 21.0747

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3040, 17.6444, 19.6859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9519, 18.1490, 21.0747 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(102, 122, 122)` looks like.

```
.text, #text, p{  
    color:rgb(102, 122, 122)  
}
```

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(102, 122, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 122, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.9519, 18.1490, 21.0747 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(102, 122, 122) }
```


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

```
.border{ border-color:rgb(102, 122, 122) }
```

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

Here you see how a box with a 4 pixel rgb(102, 122, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 122, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 122, 122);  
box-shadow:4px 4px 4px 4px rgb(102, 122,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9519, 18.1490, 21.0747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 122, 122) }
```

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

```
.background{ background-color: rgb(102,  
122, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor