

Converting Colors

XYZ(15.4678, 17.3269, 19.9671)

Have a look what the booklet for
XYZ(15.4678, 17.3269, 19.9671)
contains.

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Color

**XYZ(15.5201, 17.4091,
19.9951)**

Conversions

Conversions Part 1

Format	Color
Hex	677777
RGB	103, 119, 119
RGB Percent	40%, 47%, 47%
CMY	0.5961, 0.5333, 0.5333
CMYK	0.13, 0.00, 0.00, 0.53
HSL	180°, 7%, 44%
HSV	180°, 13%, 47%
XYZ	15.5201, 17.4091, 19.9951
YIQ	114.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

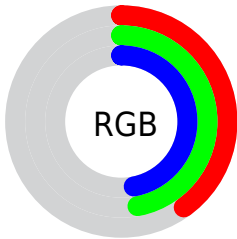
Format	Color
R_{YB}	103, 111, 119
Decimal	6780791
CIE _{Lab}	48.77, -5.90, -2.01
CIE _{LCh}	49, 6.230, 198.777
Yxy	17.4091, 0.2933, 0.3289
Android (android.graphics.Color)	4284970871 (0xFF677777)
YUV	114.2160, 2.3585, -9.8364
Hunter-Lab	41.7242, -6.6210, 0.7940

Details

The XYZ color **15.5201, 17.4091, 19.9951** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.9068, 14.6021, 14.8655**, and the grayscale version is **16.0546, 16.8907, 18.3940**.

A 20% lighter version of the original color is **35.2400, 38.9361, 44.1862**, and **5.0215, 5.8022, 6.8165** is the 20% darker color. If you saturate the color by 10%, you get **14.2512, 16.7554, 19.9357**, and if you desaturate by 10%, it is **16.9843, 18.1644, 20.0644**.

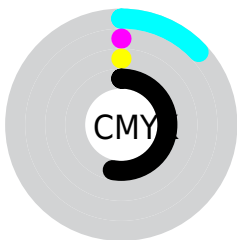
Distribution



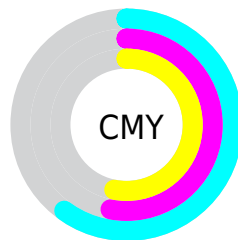
- Red (40%)
- Green (47%)
- Blue (47%)



- Red (40%)
- Yellow (44%)
- Blue (47%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



- Cyan (60%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5201, 17.4091, 19.9951 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 15.5201, 17.4091, 19.9951 by changing the saturation by 10% instead.

■ 15.5201, 17.4091,
19.9951

■ 15.5201, 17.4091,
19.9951

219.8195,
237.5190, 264.4920

■ 9.2739, 10.5266,
12.2074

■ 35.3273, 39.0278,
44.2678

■ 4.9788, 5.7495,
6.7609

■ 49.6189, 54.5329,
61.5900

■ 2.2695, 2.6934,
3.2368

■ 67.3231, 73.6808,
82.9274

■ 0.7790, 0.9738,
1.2168

■ 88.8052, 96.8562,
108.6986

■ 0.0000, 0.0000,
0.0000

114.4305,
124.4433, 139.3221

144.5645,

156.8265, 175.2164

179.5723,
194.3903, 216.8002

■ 15.5201, 17.4091,
19.9951

■ 15.5201, 17.4091,
19.9951

■ 14.2512, 16.7554,
19.9357

■ 16.9843, 18.1644,
20.0644

■ 13.1680, 16.1970,
19.8846

■ 18.6500, 19.0231,
20.1427

■ 12.2621, 15.7300,
19.8419

■ 20.5249, 19.9896,
20.2308

■ 11.5242, 15.3497,
19.8070

■ 22.6160, 21.0676,
20.3290

■ 10.9440, 15.0505,
19.7795

■ 24.9299, 22.2604,
20.4377

■ 10.5098, 14.8267,
19.7588

■ 27.4728, 23.5713,
20.5571

■ 10.2089, 14.6716,
19.7443

■ 30.2508, 25.0035,
20.6874

■ 10.0240, 14.5763,
19.7353

■ 33.2698, 26.5598,
20.8291

■ 9.9264, 14.5260,
19.7305

■ 36.5354, 28.2433,
20.9823

Harmonies

Analogous

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



15.4839, 17.4091, 18.3448



15.5201, 17.4091, 19.9951



15.8276, 17.4091, 21.4431

Triad

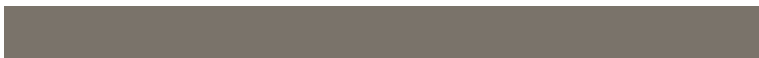
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.5201, 17.4091, 19.9951



17.3940, 17.4091, 21.1239



16.7634, 17.4091, 16.0111

Complementary

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



15.5201, 17.4091, 19.9951



14.9068, 14.6021, 14.8655

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.



17.2876, 17.4091, 16.6682



15.5201, 17.4091, 19.9951



17.6573, 17.4091, 19.5797

Square

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



15.5201, 17.4091, 19.9951



16.9059, 17.4091, 22.1205



17.6179, 17.4091, 17.9527



16.1928, 17.4091, 16.1079

Rectangle

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



15.5201, 17.4091, 19.9951



16.1491, 17.4091, 22.0691



17.6179, 17.4091, 17.9527



16.9511, 17.4091, 16.1495

Sweetspot

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



15.5206, 17.4098, 19.9955



30.2301, 32.4317, 35.9194



14.6696, 17.0730, 15.3545



7.1220, 7.6642, 8.5106



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.



15.5206, 17.4098, 19.9955



27.0834, 30.8095, 35.7714



14.6373, 15.6432, 19.7015



3.7833, 4.1553, 4.6928



10.5457, 15.4323, 20.9615



51.3903, 75.2034, 102.1471

Inverse Universe

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



14.9068, 14.6021, 14.8655



25.7684, 24.7947, 24.7814



15.7119, 16.2126, 15.1335



3.6840, 3.7009, 3.8625



8.0829, 4.1669, 0.3786



39.3886, 20.3056, 1.8441

Previews

White Background



This preview shows how the XYZ color 15.5201, 17.4091, 19.9951 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 15.5201, 17.4091, 19.9951 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

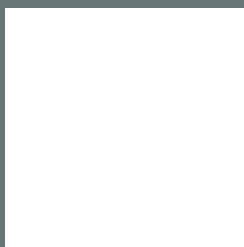
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5201, 17.4091, 19.9951

Background



This preview shows how black text looks on a background with the XYZ color 15.5201, 17.4091, 19.9951.



This preview shows how white text looks on a background with the XYZ color 15.5201, 17.4091,

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

15.5201, 17.4091, 19.9951

Protanopia

16.6777, 17.3277, 19.2952

Deuteranopia

17.6418, 17.3044, 20.1796



Tritanopia

16.0181, 17.4322, 22.5992

Trichromacy



Original Color

15.5201, 17.4091, 19.9951

Protanomaly

16.1975, 17.2435, 19.6142

Deuteranomaly

16.8570, 17.3994, 20.2393

Tritanomaly

15.8254, 17.3552, 21.5846

Monochromacy



Original Color

15.5201, 17.4091, 19.9951

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8282, 17.0667, 18.9830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5201, 17.4091, 19.9951 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(103, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(103, 119, 119)  
}
```

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(103, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.5201, 17.4091, 19.9951 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(103, 119, 119) }
```


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

```
.border{ border-color:rgb(103, 119, 119) }
```

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

Here you see how a box with a 4 pixel rgb(103, 119, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(103, 119,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5201, 17.4091, 19.9951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 119, 119) }
```

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

```
.background{ background-color: rgb(103,  
119, 119) }
```

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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