

Converting Colors

XYZ(15.7405, 21.3077, 21.2975)

Have a look what the booklet for
XYZ(15.7405, 21.3077, 21.2975)
contains.

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Color

**XYZ(15.6816, 21.1771,
21.3503)**

Conversions

Conversions Part 1

Format	Color
Hex	4E8A79
RGB	78, 138, 121
RGB Percent	31%, 54%, 47%
CMY	0.6941, 0.4588, 0.5255
CMYK	0.43, 0.00, 0.12, 0.46
HSL	163°, 28%, 42%
HSV	163°, 43%, 54%
XYZ	15.6816, 21.1771, 21.3503
YIQ	118.1220, -30.3030, -18.0070

Conversions

Conversions Part 2

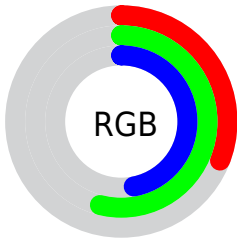
Format	Color
R_{YB}	78, 113, 138
Decimal	5147257
CIE _{Lab}	53.14, -23.80, 3.02
CIE _{LCh}	53, 23.986, 172.769
Yxy	21.1771, 0.2694, 0.3638
Android (android.graphics.Color)	4283337337 (0xFF4E8A79)
YUV	118.1220, 1.4189, -35.1870
Hunter-Lab	46.0186, -19.7057, 4.7054

Details

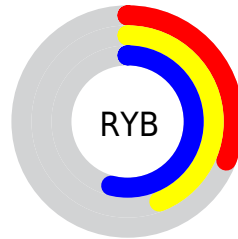
The XYZ color **15.6816, 21.1771, 21.3503** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.2719, 11.6789, 12.2767**, and the grayscale version is **17.2611, 18.1600, 19.7763**.

A 20% lighter version of the original color is **35.5984, 45.4622, 46.4340**, and **5.0932, 7.6672, 7.5148** is the 20% darker color. If you saturate the color by 10%, you get **14.4326, 20.5609, 20.0656**, and if you desaturate by 10%, it is **17.1788, 21.9212, 22.6982**.

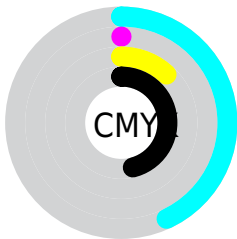
Distribution



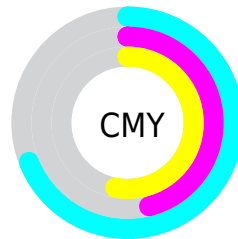
- Red (31%)
- Green (54%)
- Blue (47%)



- Red (31%)
- Yellow (44%)
- Blue (54%)



- Cyan (43%)
- Magenta (0%)
- Yellow (12%)
- Black (46%)



- Cyan (69%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6816, 21.1771, 21.3503 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 15.6816, 21.1771, 21.3503 by changing the saturation by 10% instead.

■ 15.6816, 21.1771,
21.3503

■ 15.6816, 21.1771,
21.3503

220.7630,
258.2182, 271.9763

■ 9.3885, 13.2535,
13.1866

■ 35.6065, 45.3821,
46.5581

■ 5.0546, 7.6034,
7.4249

■ 49.9690, 62.4323,
64.4393

■ 2.3144, 3.8422,
3.6468

■ 67.7521, 83.2935,
86.3968

■ 0.8020, 1.5857,
1.4336

■ 89.3211, 108.3501,
112.8489

■ 0.0000, 0.3479,
0.1677

■ 115.0413,
137.9864, 144.2145

■ 0.0000, 0.0000,
0.0000

145.2781,

172.5870, 180.9118

180.3969,
212.5361, 223.3596

■ 15.6816, 21.1771,
21.3503

■ 15.6816, 21.1771,
21.3503

■ 14.4326, 20.5609,
20.0656

■ 17.1788, 21.9212,
22.6982

■ 13.4149, 20.0623,
18.8415

■ 18.9362, 22.7978,
24.1092

■ 12.6125, 19.6736,
17.6770

■ 20.9672, 23.8142,
25.5850

■ 12.0060, 19.3848,
16.5707

■ 23.2836, 24.9767,
27.1265

■ 11.5725, 19.1841,
15.5207

■ 25.8967, 26.2908,
28.7350

■ 11.3361, 19.0765,
14.8637

■ 28.8169, 27.7622,
30.4114

■ 32.0543, 29.3958,
32.1568

■ 35.6185, 31.1968,
33.9721

■ 39.5186, 33.1697,
35.8584

Harmonies

Analogous

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



16.5014, 21.1771, 15.6207



15.6816, 21.1771, 21.3503



15.9713, 21.1771, 28.8753

Triad

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



15.6816, 21.1771, 21.3503



22.0683, 21.1771, 38.4205



23.2141, 21.1771, 13.6568

Complementary

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



15.6816, 21.1771, 21.3503



15.2719, 11.6789, 12.2767

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.



24.9502, 21.1771, 18.0802



15.6816, 21.1771, 21.3503



24.2510, 21.1771, 32.5462

Square

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



15.6816, 21.1771, 21.3503



19.5226, 21.1771, 39.8056



25.3447, 21.1771, 24.8550



20.7461, 21.1771, 11.8232

Rectangle

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



15.6816, 21.1771, 21.3503



16.7671, 21.1771, 33.8597



25.3447, 21.1771, 24.8550



23.9108, 21.1771, 14.8395

Sweetspot

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



15.6822, 21.1780, 21.3508



37.0335, 42.0136, 45.1494



15.2882, 21.2147, 10.4973



8.1403, 9.3402, 10.0106



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.6822, 21.1780, 21.3508



25.5122, 36.2769, 35.4489



15.1909, 18.3772, 26.7921



5.1134, 5.6649, 6.1183



10.3997, 17.4925, 13.6613



0.0754, 0.1187, 0.1239

Inverse Universe

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



15.2719, 11.6789, 12.2767



24.7009, 17.2982, 17.3606



15.5133, 13.2664, 8.9513



5.0874, 5.0704, 5.5485



9.9528, 5.0912, 2.2559



0.0718, 0.0361, 0.0447

Previews

White Background



This preview shows how the XYZ color 15.6816, 21.1771, 21.3503 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 15.6816, 21.1771, 21.3503 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 15.6816, 21.1771, 21.3503

Background



This preview shows how black text looks on a background with the XYZ color 15.6816, 21.1771, 21.3503.



This preview shows how white text looks on a background with the XYZ color 15.6816, 21.1771,

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

15.6816, 21.1771, 21.3503

Protanopia

19.8582, 20.9619, 18.9190

Deuteranopia

21.2451, 20.8633, 21.9761



Tritanopia

17.4310, 21.2571, 29.9724

Trichromacy



Original Color

15.6816, 21.1771, 21.3503

Protanomaly

17.8756, 20.6944, 19.8819

Deuteranomaly

18.6304, 20.6503, 21.7429

Tritanomaly

16.7278, 21.1797, 26.4990

Monochromacy



Original Color

15.6816, 21.1771, 21.3503

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.2569, 18.8827, 20.2407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6816, 21.1771, 21.3503 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(78, 138, 121)` looks like.

```
.text, #text, p{  
    color:rgb(78, 138, 121)  
}
```

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(78, 138, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 138, 121) }
```

Border

The CSS property to change the border of an element to XYZ 15.6816, 21.1771, 21.3503 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(78, 138, 121) }
```


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

```
.border{ border-color:rgb(78, 138, 121) }
```

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

Here you see how a box with a 4 pixel rgb(78, 138, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 138, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 138, 121);  
box-shadow:4px 4px 4px 4px rgb(78, 138,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6816, 21.1771, 21.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 138, 121) }
```

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

```
.background{ background-color: rgb(78, 138,  
121) }
```

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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