

Converting Colors

XYZ(15.7617, 21.1881, 19.9234)

Have a look what the booklet for
XYZ(15.7617, 21.1881, 19.9234)
contains.

XYZ(15.8081, 21.2769, 19.7967)	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(15.8081, 21.2769,
19.7967)**

Conversions

Conversions Part 1

Format	Color
Hex	538A74
RGB	83, 138, 116
RGB Percent	33%, 54%, 45%
CMY	0.6745, 0.4588, 0.5451
CMYK	0.40, 0.00, 0.16, 0.46
HSL	156°, 25%, 43%
HSV	156°, 40%, 54%
XYZ	15.8081, 21.2769, 19.7967
YIQ	119.0470, -25.7180, -18.5020

Conversions

Conversions Part 2

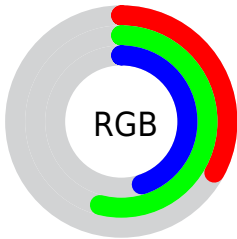
Format	Color
R_{YB}	83, 117, 138
Decimal	5474932
CIE _{Lab}	53.25, -23.53, 6.10
CIE _{LCh}	53, 24.304, 165.475
Yxy	21.2769, 0.2779, 0.3741
Android (android.graphics.Color)	4283665012 (0xFF538A74)
YUV	119.0470, -1.5022, -31.6132
Hunter-Lab	46.1269, -19.5485, 6.8428

Details

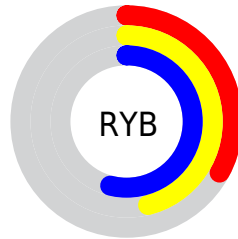
The XYZ color **15.8081, 21.2769, 19.7967** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.1249, 12.6101, 14.9494**, and the grayscale version is **17.5603, 18.4748, 20.1191**.

A 20% lighter version of the original color is **35.9092, 45.6773, 43.9698**, and **5.1603, 7.7201, 6.6870** is the 20% darker color. If you saturate the color by 10%, you get **14.3981, 20.5866, 18.1043**, and if you desaturate by 10%, it is **17.4807, 22.1015, 21.6020**.

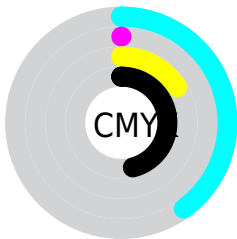
Distribution



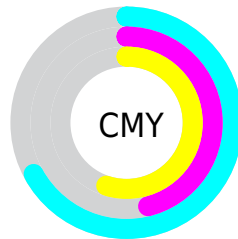
- Red (33%)
- Green (54%)
- Blue (45%)



- Red (33%)
- Yellow (46%)
- Blue (54%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (46%)



- Cyan (67%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8081, 21.2769, 19.7967 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 15.8081, 21.2769, 19.7967 by changing the saturation by 10% instead.

■ 15.8081, 21.2769,
19.7967

■ 15.8081, 21.2769,
19.7967

221.4994,
258.7464, 263.3801

■ 9.4784, 13.3266,
12.0647

■ 35.8249, 45.5479,
43.9306

■ 5.1141, 7.6538,
6.6647

■ 50.2427, 62.6374,
61.1695

■ 2.3498, 3.8742,
3.1781

■ 68.0873, 83.5420,
82.4146

■ 0.8200, 1.6035,
1.1863

■ 89.7241, 108.6462,
108.0843

■ 0.0000, 0.3599,
0.0000

■ 115.5183,
138.3343, 138.5971

■ 0.0000, 0.0000,
0.0000

145.8353,

172.9908, 174.3717

181.0406,
213.0001, 215.8265

■ 15.8081, 21.2769,
19.7967

■ 15.8081, 21.2769,
19.7967

■ 14.3981, 20.5866,
18.1043

■ 17.4807, 22.1015,
21.6020

■ 13.2342, 20.0204,
16.5208

■ 19.4279, 23.0648,
23.5210

■ 12.3007, 19.5709,
15.0443

■ 21.6627, 24.1742,
25.5564

■ 11.5791, 19.2285,
13.6721

■ 24.1970, 25.4356,
27.7103

■ 11.0480, 18.9823,
12.4012

■ 27.0419, 26.8549,
29.9849

■ 10.6480, 18.8017,
11.2271

■ 30.2080, 28.4373,
32.3821

■ 10.6425, 18.7992,
11.2108

■ 33.7054, 30.1880,
34.9039

■ 37.5436, 32.1120,
37.5523

■ 41.7318, 34.2140,
40.3290

Harmonies

Analogous

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



16.9017, 21.2769, 14.5951



15.8081, 21.2769, 19.7967



15.8261, 21.2769, 27.1503

Triad

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



15.8081, 21.2769, 19.7967



21.5699, 21.2769, 39.6512



23.8886, 21.2769, 14.4736

Complementary

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



15.8081, 21.2769, 19.7967



16.1249, 12.6101, 14.9494

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.



25.3672, 21.2769, 19.5935



15.8081, 21.2769, 19.7967



23.9533, 21.2769, 34.5709

Square

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



15.8081, 21.2769, 19.7967



19.0092, 21.2769, 39.7380



25.3918, 21.2769, 26.8995



21.4875, 21.2769, 11.9931

Rectangle

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



15.8081, 21.2769, 19.7967



16.4610, 21.2769, 32.3854



25.3918, 21.2769, 26.8995



24.5186, 21.2769, 15.8883

Sweetspot

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



15.8087, 21.2778, 19.7972



37.1895, 42.1160, 44.1654



16.5844, 21.8615, 11.5294



8.2442, 9.3981, 9.8188



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.



15.8087, 21.2778, 19.7972



25.5675, 36.3785, 32.1507



16.6000, 20.5642, 27.1402



5.0895, 5.6553, 5.9924



9.7646, 17.2384, 10.3168



0.0721, 0.1174, 0.1067

Inverse Universe

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



16.1249, 12.6101, 14.9494



26.2105, 18.8561, 22.3687



15.4988, 12.9395, 9.8645



5.1104, 5.0796, 5.6696



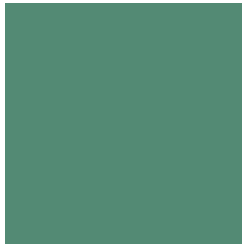
10.2534, 5.2115, 3.8387



0.0750, 0.0374, 0.0618

Previews

White Background



This preview shows how the XYZ color 15.8081, 21.2769, 19.7967 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 15.8081, 21.2769, 19.7967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

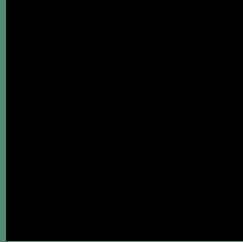
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8081, 21.2769, 19.7967

Background



This preview shows how black text looks on a background with the XYZ color 15.8081, 21.2769, 19.7967.



This preview shows how white text looks on a background with the XYZ color 15.8081, 21.2769,

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

15.8081, 21.2769, 19.7967

Protanopia

19.9482, 21.0340, 17.7604

Deuteranopia

21.4446, 21.0018, 20.3763



Tritanopia

17.8524, 21.2682, 29.9523

Trichromacy



Original Color

15.8081, 21.2769, 19.7967

Protanomaly

17.9775, 20.7800, 18.3927

Deuteranomaly

18.8743, 20.8113, 20.1617

Tritanomaly

16.8975, 21.0754, 25.7316

Monochromacy



Original Color

15.8081, 21.2769, 19.7967

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.6747, 19.2939, 19.9848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8081, 21.2769, 19.7967 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(83, 138, 116)` looks like.

```
.text, #text, p{  
    color:rgb(83, 138, 116)  
}
```

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(83, 138, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 138, 116) }
```

Border

The CSS property to change the border of an element to XYZ 15.8081, 21.2769, 19.7967 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(83, 138, 116) }
```


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

```
.border{ border-color:rgb(83, 138, 116) }
```

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

Here you see how a box with a 4 pixel rgb(83, 138, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 138, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 138, 116);  
box-shadow:4px 4px 4px 4px rgb(83, 138,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8081, 21.2769, 19.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 138, 116) }
```

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

```
.background{ background-color: rgb(83, 138,  
116) }
```

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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