

Converting Colors

XYZ(15.9538, 21.2996, 21.2673)

Have a look what the booklet for
XYZ(15.9538, 21.2996, 21.2673)
contains.

XYZ(16.0193, 21.3513, 21.3661)	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(16.0193, 21.3513,
21.3661)**

Conversions

Conversions Part 1

Format	Color
Hex	528A79
RGB	82, 138, 121
RGB Percent	32%, 54%, 47%
CMY	0.6784, 0.4588, 0.5255
CMYK	0.41, 0.00, 0.12, 0.46
HSL	162°, 25%, 43%
HSV	162°, 41%, 54%
XYZ	16.0193, 21.3513, 21.3661
YIQ	119.3180, -27.9190, -17.1590

Conversions

Conversions Part 2

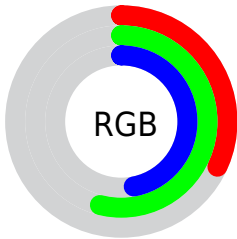
Format	Color
RYB	82, 115, 138
Decimal	5409401
CIELab	53.33, -22.66, 3.32
CIElCh	53, 22.897, 171.672
Yxy	21.3513, 0.2727, 0.3635
Android (android.graphics.Color)	4283599481 (0xFF528A79)
YUV	119.3180, 0.8292, -32.7279
Hunter-Lab	46.2075, -18.9803, 4.9298

Details

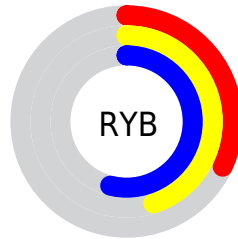
The XYZ color **16.0193, 21.3513, 21.3661** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.7513, 12.3391, 13.3565**, and the grayscale version is **17.6396, 18.5582, 20.2099**.

A 20% lighter version of the original color is **36.2240, 45.7847, 46.4633**, and **5.2574, 7.7518, 7.5225** is the 20% darker color. If you saturate the color by 10%, you get **14.6866, 20.6939, 19.9918**, and if you desaturate by 10%, it is **17.6057, 22.1394, 22.8114**.

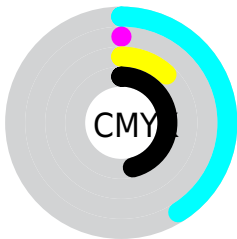
Distribution



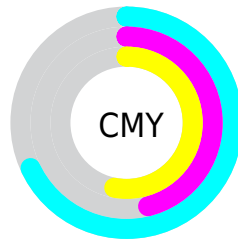
- Red (32%)
- Green (54%)
- Blue (47%)



- Red (32%)
- Yellow (45%)
- Blue (54%)



- Cyan (41%)
- Magenta (0%)
- Yellow (12%)
- Black (46%)



- Cyan (68%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0193, 21.3513, 21.3661 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 16.0193, 21.3513, 21.3661 by changing the saturation by 10% instead.

■ 16.0193, 21.3513,
21.3661

■ 16.0193, 21.3513,
21.3661

222.7237,
259.1396, 272.0624

■ 9.6287, 13.3810,
13.1980

■ 36.1889, 45.6715,
46.5847

■ 5.2139, 7.6914,
7.4327

■ 50.6986, 62.7902,
64.4723

■ 2.4093, 3.8982,
3.6516

■ 68.6455, 83.7271,
86.4369

■ 0.8498, 1.6168,
1.4362

■ 90.3948, 108.8667,
112.8969

■ 0.0000, 0.3689,
0.1698

■ 116.3119,
138.5934, 144.2709

■ 0.0000, 0.0000,
0.0000

146.7622,

173.2915, 180.9775

182.1110,
213.3454, 223.4351

■ 16.0193, 21.3513,
21.3661

■ 16.0193, 21.3513,
21.3661

■ 14.6866, 20.6939,
19.9918

■ 17.6057, 22.1394,
22.8114

■ 13.5912, 20.1569,
18.6858

■ 19.4576, 23.0624,
24.3277

■ 12.7173, 19.7330,
17.4469

■ 21.5880, 24.1277,
25.9167

■ 12.0466, 19.4125,
16.2735

■ 24.0086, 25.3413,
27.5796

■ 11.5577, 19.1845,
15.1639

■ 26.7305, 26.7088,
29.3177

■ 11.2051, 19.0243,
14.1736

■ 29.7640, 28.2356,
31.1321

■ 33.1191, 29.9268,
33.0240

■ 36.8053, 31.7873,
34.9944

■ 40.8317, 33.8218,
37.0443

Harmonies

Analogous

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



16.8500, 21.3513, 15.9081



16.0193, 21.3513, 21.3661



16.2601, 21.3513, 28.5386

Triad

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



16.0193, 21.3513, 21.3661



22.0656, 21.3513, 38.0042



23.3263, 21.3513, 14.2638

Complementary

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



16.0193, 21.3513, 21.3661



15.7513, 12.3391, 13.3565

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.



24.9448, 21.3513, 18.6552



16.0193, 21.3513, 21.3661



24.1775, 21.3513, 32.5562

Square

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



16.0193, 21.3513, 21.3661



19.6256, 21.3513, 39.1301



25.2681, 21.3513, 25.2371



20.9770, 21.3513, 12.3764

Rectangle

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



16.0193, 21.3513, 21.3661



17.0050, 21.3513, 33.3093



25.2681, 21.3513, 25.2371



23.9814, 21.3513, 15.4489

Sweetspot

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



16.0199, 21.3522, 21.3666



37.3864, 42.1947, 45.2022



15.8382, 21.4812, 11.2943



8.2920, 9.4172, 10.0704



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.



16.0199, 21.3522, 21.3666



26.0010, 36.5313, 35.3636



15.7522, 18.9984, 26.8827



5.1092, 5.6632, 6.0963



10.2797, 17.4445, 13.0296



0.0748, 0.1185, 0.1209

Inverse Universe

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



15.7513, 12.3391, 13.3565



25.4647, 18.3106, 19.2038



15.8551, 13.7135, 9.7941



5.0913, 5.0720, 5.5694



9.9972, 5.1090, 2.4896



0.0723, 0.0363, 0.0477

Previews

White Background



This preview shows how the XYZ color 16.0193, 21.3513, 21.3661 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 16.0193, 21.3513, 21.3661 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 16.0193, 21.3513, 21.3661

Background



This preview shows how black text looks on a background with the XYZ color 16.0193, 21.3513, 21.3661.



This preview shows how white text looks on a background with the XYZ color 16.0193, 21.3513,

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

16.0193, 21.3513, 21.3661

Protanopia

20.0711, 21.0650, 19.2278

Deuteranopia

21.5363, 21.1966, 22.0251



Tritanopia

17.7993, 21.4470, 29.9896

Trichromacy



Original Color

16.0193, 21.3513, 21.3661

Protanomaly

18.1329, 20.8270, 19.8939

Deuteranomaly

18.9021, 20.7903, 21.7556

Tritanomaly

17.0858, 21.3643, 26.5158

Monochromacy



Original Color

16.0193, 21.3513, 21.3661

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7949, 19.3419, 20.6175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0193, 21.3513, 21.3661 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(82, 138, 121)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 138, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 138, 121) }
```

Border

The CSS property to change the border of an element to XYZ 16.0193, 21.3513, 21.3661 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(82, 138, 121) }
```


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

```
.border{ border-color:rgb(82, 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(82, 138, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 138, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 138, 121);  
box-shadow:4px 4px 4px 4px rgb(82, 138,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0193, 21.3513, 21.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 138, 121) }
```

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

```
.background{ background-color: rgb(82, 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](#).

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