

Converting Colors

XYZ(16.3429, 22.6884, 21.7985)

Have a look what the booklet for
XYZ(16.3429, 22.6884, 21.7985)
contains.

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Color

**XYZ(16.3158, 22.5866,
21.9121)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8F7A
RGB	76, 143, 122
RGB Percent	30%, 56%, 48%
CMY	0.7020, 0.4392, 0.5216
CMYK	0.47, 0.00, 0.15, 0.44
HSL	161°, 31%, 43%
HSV	161°, 47%, 56%
XYZ	16.3158, 22.5866, 21.9121
YIQ	120.5730, -33.1910, -20.7350

Conversions

Conversions Part 2

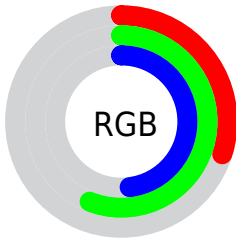
Format	Color
R_{YB}	76, 116, 143
Decimal	5017466
CIE _{Lab}	54.64, -26.62, 4.60
CIE _{LCh}	55, 27.012, 170.201
Yxy	22.5866, 0.2683, 0.3714
Android (android.graphics.Color)	4283207546 (0xFF4C8F7A)
YUV	120.5730, 0.7035, -39.0905
Hunter-Lab	47.5254, -21.8890, 5.9314

Details

The XYZ color **16.3158, 22.5866, 21.9121** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0705, 11.8721, 12.7546**, and the grayscale version is **18.0423, 18.9819, 20.6713**.

A 20% lighter version of the original color is **36.6595, 47.6556, 47.3107**, and **5.3182, 8.2841, 7.6220** is the 20% darker color. If you saturate the color by 10%, you get **15.0323, 21.9569, 20.4358**, and if you desaturate by 10%, it is **17.8659, 23.3535, 23.4687**.

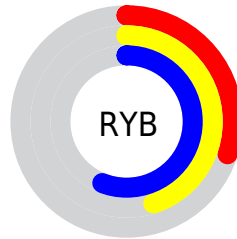
Distribution



Red (30%)

Green (56%)

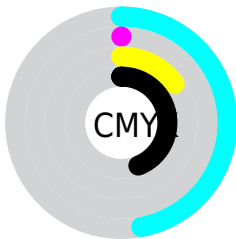
Blue (48%)



Red (30%)

Yellow (45%)

Blue (56%)

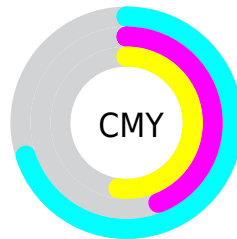


Cyan (47%)

Magenta (0%)

Yellow (15%)

Black (44%)



Cyan (70%)

Magenta (44%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3158, 22.5866, 21.9121 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 16.3158, 22.5866, 21.9121 by changing the saturation by 10% instead.

■ 16.3158, 22.5866,
21.9121

■ 16.3158, 22.5866,
21.9121

224.4320,
265.5945, 275.0254

■ 9.8402, 14.2886,
13.5946

■ 36.6986, 47.7136,
47.5010

■ 5.3546, 8.3216,
7.7038

■ 51.3365, 65.3114,
65.6095

■ 2.4936, 4.3014,
3.8209

■ 69.4259, 86.7779,
87.8188

■ 0.8921, 1.8436,
1.5276

■ 91.3320, 112.4974,
114.5473

■ 0.0000, 0.5141,
0.2384

■ 117.4204,
142.8545, 146.2137

■ 0.0000, 0.0000,
0.0000

148.0562,

178.2334, 183.2365

183.6050,
219.0186, 226.0342

■ 16.3158, 22.5866,
21.9121

■ 16.3158, 22.5866,
21.9121

■ 15.0323, 21.9569,
20.4358

■ 17.8659, 23.3535,
23.4687

■ 13.9964, 21.4528,
19.0366

■ 19.6964, 24.2628,
25.1058

■ 13.1897, 21.0653,
17.7133

■ 21.8221, 25.3227,
26.8252

■ 12.5899, 20.7831,
16.4638

■ 24.2563, 26.5402,
28.6286

■ 12.1596, 20.5870,
15.2854

■ 27.0116, 27.9217,
30.5173

■ 12.0359, 20.5310,
14.9280

■ 30.0997, 29.4732,
32.4926

■ 33.5319, 31.2004,
34.5560

■ 37.3187, 33.1088,
36.7087

■ 41.4703, 35.2037,
38.9518

Harmonies

Analogous

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



17.3708, 22.5866, 15.5360



16.3158, 22.5866, 21.9121



16.5401, 22.5866, 30.6869

Triad

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



16.3158, 22.5866, 21.9121



23.5018, 22.5866, 43.3665



25.3365, 22.5866, 14.0422

Complementary

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



16.3158, 22.5866, 21.9121



16.0705, 11.8721, 12.7546

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.



27.2884, 22.5866, 19.3644



16.3158, 22.5866, 21.9121



26.1633, 22.5866, 36.6234

Square

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



16.3158, 22.5866, 21.9121



20.5102, 22.5866, 44.4969



27.6043, 22.5866, 27.4840



22.4550, 22.5866, 11.7363

Rectangle

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



16.3158, 22.5866, 21.9121



17.3932, 22.5866, 36.7384



27.6043, 22.5866, 27.4840



26.1339, 22.5866, 15.4713

Sweetspot

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



16.3164, 22.5875, 21.9126



40.1395, 45.8774, 48.8492



16.0805, 22.7210, 10.3758



9.0180, 10.4273, 11.0597



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.3164, 22.5875, 21.9126



26.8511, 39.2863, 36.5108



16.0174, 19.6771, 28.9416



5.4893, 6.0879, 6.5424



10.6513, 18.1564, 13.2497



0.1118, 0.1776, 0.1792

Inverse Universe

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



16.0705, 11.8721, 12.7546



26.3668, 17.7065, 18.1216



16.1459, 13.3881, 8.5709



5.4742, 5.4502, 5.9951



10.4403, 5.3331, 2.7038



0.1089, 0.0546, 0.0737

Previews

White Background



This preview shows how the XYZ color 16.3158, 22.5866, 21.9121 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 16.3158, 22.5866, 21.9121 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

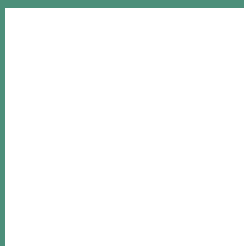
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3158, 22.5866, 21.9121

Background



This preview shows how black text looks on a background with the XYZ color 16.3158, 22.5866, 21.9121.

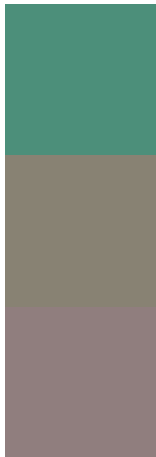


This preview shows how white text looks on a background with the XYZ color 16.3158, 22.5866,

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

16.3158, 22.5866, 21.9121

Protanopia

21.2305, 22.4373, 19.4315

Deuteranopia

22.7283, 22.3574, 22.8562



Tritanopia

18.3938, 22.5521, 32.2377

Trichromacy



Original Color

16.3158, 22.5866, 21.9121

Protanomaly

18.8734, 22.2134, 20.4324

Deuteranomaly

19.5607, 21.9051, 22.5992

Tritanomaly

17.5050, 22.3989, 28.2118

Monochromacy



Original Color

16.3158, 22.5866, 21.9121

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1271, 20.0842, 21.0631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3158, 22.5866, 21.9121 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(76, 143, 122)` looks like.

```
.text, #text, p{  
    color:rgb(76, 143, 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(76, 143, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 143, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.3158, 22.5866, 21.9121 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(76, 143, 122) }
```


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

```
.border{ border-color:rgb(76, 143, 122) }
```

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

Here you see how a box with a 4 pixel rgb(76, 143, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 143, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 143, 122);  
box-shadow:4px 4px 4px 4px rgb(76, 143,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3158, 22.5866, 21.9121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 143, 122) }
```

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

```
.background{ background-color: rgb(76, 143,  
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](#).

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