

Converting Colors

XYZ(16.8021, 23.3748, 21.6621)

Have a look what the booklet for
XYZ(16.8021, 23.3748, 21.6621)
contains.

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Color

**XYZ(16.7185, 23.2510,
21.6959)**

Conversions

Conversions Part 1

Format	Color
Hex	4E9179
RGB	78, 145, 121
RGB Percent	31%, 57%, 47%
CMY	0.6941, 0.4314, 0.5255
CMYK	0.46, 0.00, 0.17, 0.43
HSL	159°, 30%, 44%
HSV	159°, 46%, 57%
XYZ	16.7185, 23.2510, 21.6959
YIQ	122.2310, -32.2280, -21.6680

Conversions

Conversions Part 2

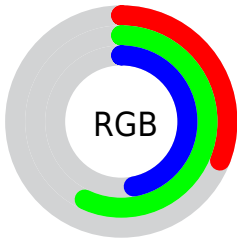
Format	Color
R _Y B	78, 119, 145
Decimal	5149049
CIE Lab	55.33, -27.31, 6.17
CIE LCh	55, 27.995, 167.275
Yxy	23.2510, 0.2711, 0.3771
Android (android.graphics.Color)	4283339129 (0xFF4E9179)
YUV	122.2310, -0.6069, -38.7906
Hunter-Lab	48.2193, -22.4946, 7.0764

Details

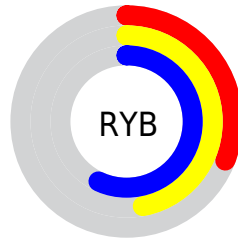
The XYZ color **16.7185, 23.2510, 21.6959** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.8005, 12.4285, 14.0848**, and the grayscale version is **18.5842, 19.5520, 21.2921**.

A 20% lighter version of the original color is **37.3263, 48.6893, 46.9658**, and **5.5258, 8.6554, 7.5103** is the 20% darker color. If you saturate the color by 10%, you get **15.3491, 22.5815, 20.0138**, and if you desaturate by 10%, it is **18.3683, 24.0643, 23.4817**.

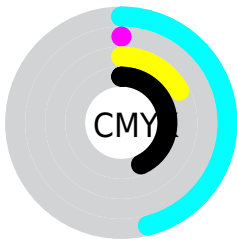
Distribution



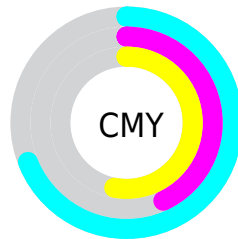
- Red (31%)
- Green (57%)
- Blue (47%)



- Red (31%)
- Yellow (47%)
- Blue (57%)



- Cyan (46%)
- Magenta (0%)
- Yellow (17%)
- Black (43%)



- Cyan (69%)
- Magenta (43%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7185, 23.2510, 21.6959 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 16.7185, 23.2510, 21.6959 by changing the saturation by 10% instead.

■ 16.7185, 23.2510,
21.6959

■ 16.7185, 23.2510,
21.6959

226.7329,
269.0116, 273.8556

■ 10.1280, 14.7790,
13.4374

■ 37.3886, 48.8051,
47.1386

■ 5.5469, 8.6644,
7.5962

■ 52.1990, 66.6560,
65.1599

■ 2.6096, 4.5229,
3.7536

■ 70.4800, 88.4020,
87.2726

■ 0.9508, 1.9702,
1.4912

■ 92.5971, 114.4274,
113.8952

■ 0.0000, 0.5901,
0.2113

■ 118.9156,
145.1167, 145.4463

■ 0.0000, 0.0000,
0.0000

149.8008,

180.8542, 182.3443

185.6181,
222.0244, 225.0079

■ 16.7185, 23.2510,
21.6959

■ 16.7185, 23.2510,
21.6959

■ 15.3491, 22.5815,
20.0138

■ 18.3683, 24.0643,
23.4817

■ 14.2405, 22.0438,
18.4316

■ 20.3128, 25.0269,
25.3717

■ 13.3735, 21.6288,
16.9474


■ 22.5672, 26.1473,
27.3684


■ 12.7254, 21.3248,
15.5588

■ 25.1456, 27.4325,
29.4739


■ 12.2616, 21.1139,
14.2626


■ 28.0607, 28.8893,
31.6900

 12.1042, 21.0430,
13.7933

 31.3249, 30.5239,
34.0185

 34.9497, 32.3422,
36.4612

 38.9462, 34.3500,
39.0199

 43.3250, 36.5527,
41.6961

Harmonies

Analogous

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



17.9548, 23.2510, 15.3048



16.7185, 23.2510, 21.6959



16.8217, 23.2510, 30.8051

Triad

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



16.7185, 23.2510, 21.6959



23.9409, 23.2510, 45.6735



26.4534, 23.2510, 14.6214

Complementary

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



16.7185, 23.2510, 21.6959



16.8005, 12.4285, 14.0848

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.



28.3794, 23.2510, 20.5217



16.7185, 23.2510, 21.6959



26.8372, 23.2510, 38.9513

Square

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



16.7185, 23.2510, 21.6959



20.7961, 23.2510, 46.2019



28.5262, 23.2510, 29.3188



23.4560, 23.2510, 11.9198

Rectangle

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



16.7185, 23.2510, 21.6959



17.6354, 23.2510, 37.2968



28.5262, 23.2510, 29.3188



27.2594, 23.2510, 16.2230

Sweetspot

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



16.7191, 23.2519, 21.6964



41.2514, 47.2414, 49.7176



17.0452, 23.6599, 10.8766



8.9879, 10.4153, 10.9009



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.



16.7191, 23.2519, 21.6964



27.5001, 40.4449, 35.8578



17.0670, 21.2921, 29.9994



5.4794, 6.0840, 6.4901



10.3944, 18.0536, 11.8971



0.1099, 0.1768, 0.1693

Inverse Universe

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



16.8005, 12.4285, 14.0848



27.6724, 18.6716, 20.5883



16.4557, 13.3760, 8.9226



5.4837, 5.4540, 6.0453



10.5579, 5.3802, 3.3234



0.1108, 0.0554, 0.0835

Previews

White Background



This preview shows how the XYZ color 16.7185, 23.2510, 21.6959 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 16.7185, 23.2510, 21.6959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

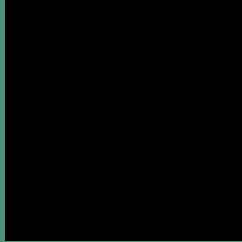
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7185, 23.2510, 21.6959

Background



This preview shows how black text looks on a background with the XYZ color 16.7185, 23.2510, 21.6959.



This preview shows how white text looks on a background with the XYZ color 16.7185, 23.2510,

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

16.7185, 23.2510, 21.6959

Protanopia

21.6348, 22.8508, 19.1900

Deuteranopia

23.3237, 22.8625, 22.5856



Tritanopia

19.0301, 23.2952, 33.1992

Trichromacy



Original Color

16.7185, 23.2510, 21.6959

Protanomaly

19.2175, 22.6057, 20.1801

Deuteranomaly

20.1892, 22.6430, 22.3752

Tritanomaly

18.0480, 23.1081, 28.7084

Monochromacy



Original Color

16.7185, 23.2510, 21.6959

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.4393, 20.4346, 21.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7185, 23.2510, 21.6959 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, 145, 121)` looks like.

```
.text, #text, p{  
    color:rgb(78, 145, 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, 145, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 145, 121) }
```

Border

The CSS property to change the border of an element to XYZ 16.7185, 23.2510, 21.6959 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, 145, 121) }
```


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

```
.border{ border-color:rgb(78, 145, 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, 145, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 145, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 145, 121);  
box-shadow:4px 4px 4px 4px rgb(78, 145,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7185, 23.2510, 21.6959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 145, 121) }
```

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

```
.background{ background-color: rgb(78, 145,  
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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