

Converting Colors

XYZ(15.6471, 21.3662, 21.7118)

Have a look what the booklet for
XYZ(15.6471, 21.3662, 21.7118)
contains.

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Color

**XYZ(15.6471, 21.3662,
21.7118)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8B7A
RGB	75, 139, 122
RGB Percent	29%, 55%, 48%
CMY	0.7059, 0.4549, 0.5216
CMYK	0.46, 0.00, 0.12, 0.45
HSL	164°, 30%, 42%
HSV	164°, 46%, 55%
XYZ	15.6471, 21.3662, 21.7118
YIQ	117.9260, -32.6870, -18.8550

Conversions

Conversions Part 2

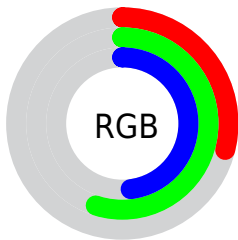
Format	Color
R_{YB}	75, 112, 139
Decimal	4950906
CIE _{Lab}	53.35, -24.88, 2.72
CIE _{LCh}	53, 25.030, 173.759
Yxy	21.3662, 0.2664, 0.3638
Android (android.graphics.Color)	4283140986 (0xFF4B8B7A)
YUV	117.9260, 2.0085, -37.6461
Hunter-Lab	46.2236, -20.4674, 4.5073

Details

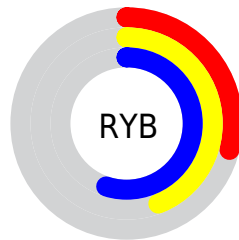
The XYZ color **15.6471, 21.3662, 21.7118** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.0960, 11.2943, 11.5103**, and the grayscale version is **17.1984, 18.0941, 19.7045**.

A 20% lighter version of the original color is **35.6120, 45.7851, 47.0049**, and **5.0635, 7.7745, 7.5371** is the 20% darker color. If you saturate the color by 10%, you get **14.4521, 20.7766, 20.4845**, and if you desaturate by 10%, it is **17.0896, 22.0834, 22.9970**.

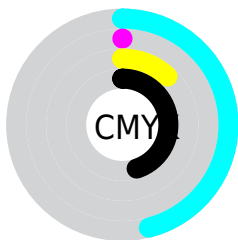
Distribution



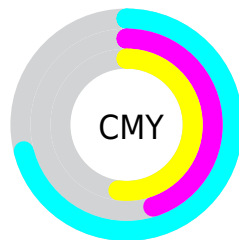
- Red (29%)
- Green (55%)
- Blue (48%)



- Red (29%)
- Yellow (44%)
- Blue (55%)



- Cyan (46%)
- Magenta (0%)
- Yellow (12%)
- Black (45%)



- Cyan (71%)
- Magenta (45%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6471, 21.3662, 21.7118 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 15.6471, 21.3662, 21.7118 by changing the saturation by 10% instead.

■ 15.6471, 21.3662,
21.7118

■ 15.6471, 21.3662,
21.7118

220.5618,
259.2183, 273.9417

■ 9.3640, 13.3919,
13.4490

■ 35.5469, 45.6962,
47.1653

■ 5.0384, 7.6990,
7.6041

■ 49.8943, 62.8207,
65.1930

■ 2.3048, 3.9030,
3.7586

■ 67.6606, 83.7642,
87.3128

■ 0.7971, 1.6194,
1.4939

■ 89.2110, 108.9108,
113.9432

■ 0.0000, 0.3706,
0.2133

■ 114.9110,
138.6452, 145.5028

■ 0.0000, 0.0000,
0.0000

145.1259,

173.3516, 182.4100

180.2210,
213.4145, 225.0835

■ 15.6471, 21.3662,
21.7118

■ 15.6471, 21.3662,
21.7118

■ 14.4521, 20.7766,
20.4845

■ 17.0896, 22.0834,
22.9970

■ 13.4870, 20.3041,
19.3124

■ 18.7920, 22.9331,
24.3398

■ 12.7349, 19.9403,
18.1946

■ 20.7683, 23.9229,
25.7418

■ 12.1755, 19.6749,
17.1297

■ 23.0306, 25.0592,
27.2040

■ 11.7772, 19.4916,
16.1158

■ 25.5906, 26.3478,
28.7274

■ 11.6351, 19.4268,
15.7271

■ 28.4590, 27.7944,
30.3131

■ 31.6463, 29.4043,
31.9619

■ 35.1622, 31.1826,
33.6747

■ 39.0162, 33.1341,
35.4524

Harmonies

Analogous

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



16.4650, 21.3662, 15.6517



15.6471, 21.3662, 21.7118



15.9875, 21.3662, 29.6610

Triad

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



15.6471, 21.3662, 21.7118



22.4334, 21.3662, 39.3618



23.4756, 21.3662, 13.3580

Complementary

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



15.6471, 21.3662, 21.7118



15.0960, 11.2943, 11.5103

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.



25.3440, 21.3662, 17.8603



15.6471, 21.3662, 21.7118



24.7066, 21.3662, 33.0145

Square

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



15.6471, 21.3662, 21.7118



19.7584, 21.3662, 41.0198



25.8130, 21.3662, 24.8888



20.8676, 21.3662, 11.5532

Rectangle

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



15.6471, 21.3662, 21.7118



16.8417, 21.3662, 34.9027



25.8130, 21.3662, 24.8888



24.2198, 21.3662, 14.5517

Sweetspot

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



15.6477, 21.3671, 21.7123



37.8578, 43.1748, 46.5448



14.9235, 21.2528, 9.9726



8.5529, 9.8630, 10.6106



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.6477, 21.3671, 21.7123



25.8507, 37.1914, 36.6499



14.7785, 17.7927, 27.0825



5.1171, 5.6663, 6.1375



10.5081, 17.5358, 14.2323



0.0759, 0.1189, 0.1265

Inverse Universe

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



15.0960, 11.2943, 11.5103



24.7482, 16.8662, 16.1174



15.5686, 13.2986, 8.4033



5.0839, 5.0690, 5.5303



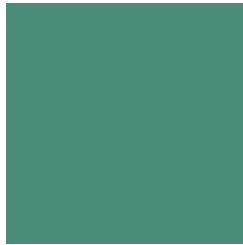
9.9165, 5.0767, 2.0649



0.0713, 0.0359, 0.0421

Previews

White Background



This preview shows how the XYZ color 15.6471, 21.3662, 21.7118 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 15.6471, 21.3662, 21.7118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

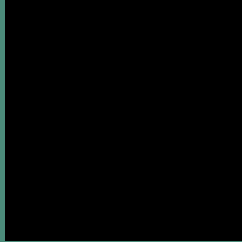
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6471, 21.3662, 21.7118

Background



This preview shows how black text looks on a background with the XYZ color 15.6471, 21.3662, 21.7118.



This preview shows how white text looks on a background with the XYZ color 15.6471, 21.3662,

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

15.6471, 21.3662, 21.7118

Protanopia

20.0711, 21.0650, 19.2278

Deuteranopia

21.4321, 21.1356, 22.3520



Tritanopia

17.4721, 21.4775, 30.4188

Trichromacy



Original Color

15.6471, 21.3662, 21.7118

Protanomaly

17.9419, 20.9201, 20.2319

Deuteranomaly

18.6908, 20.8688, 22.1117

Tritanomaly

16.6855, 21.3597, 26.9103

Monochromacy



Original Color

15.6471, 21.3662, 21.7118

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.2701, 19.0784, 20.2777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6471, 21.3662, 21.7118 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(75, 139, 122)` looks like.

```
.text, #text, p{  
    color:rgb(75, 139, 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(75, 139, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 139, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.6471, 21.3662, 21.7118 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(75, 139, 122) }
```


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

```
.border{ border-color:rgb(75, 139, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 139, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 139, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 139, 122);  
box-shadow:4px 4px 4px 4px rgb(75, 139,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6471, 21.3662, 21.7118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 139, 122) }
```

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

```
.background{ background-color: rgb(75, 139,  
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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