

Converting Colors

XYZ(15.8042, 21.4951, 19.2149)

Have a look what the booklet for
XYZ(15.8042, 21.4951, 19.2149)
contains.

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Color

**XYZ(15.8372, 21.5191,
19.2385)**

Conversions

Conversions Part 1

Format	Color
Hex	538B72
RGB	83, 139, 114
RGB Percent	33%, 55%, 45%
CMY	0.6745, 0.4549, 0.5529
CMYK	0.40, 0.00, 0.18, 0.45
HSL	153°, 25%, 44%
HSV	153°, 40%, 55%
XYZ	15.8372, 21.5191, 19.2385
YIQ	119.4060, -25.3510, -19.6470

Conversions

Conversions Part 2

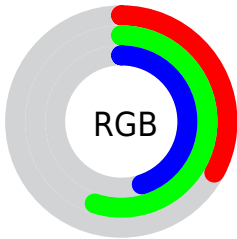
Format	Color
R_{YB}	83, 119, 139
Decimal	5475186
CIE _{Lab}	53.51, -24.49, 7.62
CIE _{LCh}	54, 25.646, 162.710
Yxy	21.5191, 0.2798, 0.3802
Android (android.graphics.Color)	4283665266 (0xFF538B72)
YUV	119.4060, -2.6652, -31.9281
Hunter-Lab	46.3887, -20.2399, 7.8831

Details

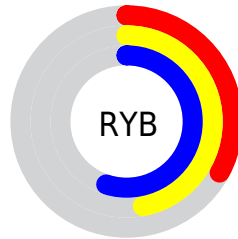
The XYZ color **15.8372, 21.5191, 19.2385** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.4483, 12.7588, 15.7841**, and the grayscale version is **17.6778, 18.5984, 20.2536**.

A 20% lighter version of the original color is **35.9446, 46.0440, 43.0693**, and **5.1514, 7.8452, 6.3970** is the 20% darker color. If you saturate the color by 10%, you get **14.3904, 20.8132, 17.3893**, and if you desaturate by 10%, it is **17.5551, 22.3631, 21.2265**.

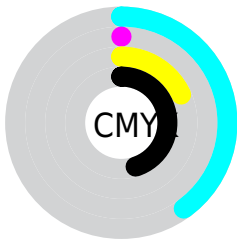
Distribution



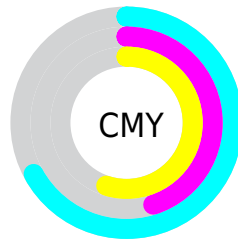
- Red (33%)
- Green (55%)
- Blue (45%)



- Red (33%)
- Yellow (47%)
- Blue (55%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (45%)



- Cyan (67%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8372, 21.5191, 19.2385 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 15.8372, 21.5191, 19.2385 by changing the saturation by 10% instead.

■ 15.8372, 21.5191,
19.2385

■ 15.8372, 21.5191,
19.2385

221.6685,
260.0245, 260.2287

■ 9.4991, 13.5040,
11.6642

■ 35.8751, 45.9499,
42.9788

■ 5.1279, 7.7765,
6.3957

■ 50.3056, 63.1343,
59.9818

■ 2.3580, 3.9523,
3.0145

■ 68.1643, 84.1440,
80.9648

■ 0.8241, 1.6469,
1.1020

■ 89.8166, 109.3633,
106.3464

■ 0.0000, 0.3889,
0.0000

■ 115.6278,
139.1766, 136.5450

■ 0.0000, 0.0000,
0.0000

145.9633,

173.9683, 171.9793

181.1884,
214.1228, 213.0677

■ 15.8372, 21.5191,
19.2385

■ 15.8372, 21.5191,
19.2385

■ 14.3904, 20.8132,
17.3893

■ 17.5551, 22.3631,
21.2265

■ 13.1976, 20.2351,
15.6741

■ 19.5563, 23.3497,
23.3548

■ 12.2426, 19.7768,
14.0903

■ 21.8545, 24.4865,
25.6269

■ 11.5063, 19.4287,
12.6342

■ 24.4617, 25.7798,
28.0455

■ 10.9667, 19.1795,
11.3020

■ 27.3895, 27.2353,
30.6135

■ 10.5706, 19.0010,
10.1214

■ 30.6487, 28.8587,
33.3336

■ 34.2498, 30.6552,
36.2082

■ 38.2026, 32.6299,
39.2399

■ 42.5166, 34.7877,
42.4312

Harmonies

Analogous

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



17.0937, 21.5191, 14.0250



15.8372, 21.5191, 19.2385



15.7458, 21.5191, 26.8983

Triad

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



15.8372, 21.5191, 19.2385



21.6307, 21.5191, 41.3795



24.5603, 21.5191, 14.6373

Complementary

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



15.8372, 21.5191, 19.2385



16.4483, 12.7588, 15.7841

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.



26.0163, 21.5191, 20.2746



15.8372, 21.5191, 19.2385



24.2265, 21.5191, 36.3120

Square

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



15.8372, 21.5191, 19.2385



18.9317, 21.5191, 40.9267



25.8890, 21.5191, 28.1914



22.0542, 21.5191, 11.8033

Rectangle

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



15.8372, 21.5191, 19.2385



16.3447, 21.5191, 32.5350



25.8890, 21.5191, 28.1914



25.1983, 21.5191, 16.2061

Sweetspot

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



15.8378, 21.5200, 19.2390



38.2806, 43.4258, 45.0679



17.0034, 22.2914, 11.5906



8.7122, 9.9526, 10.2791



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.



15.8378, 21.5200, 19.2390



26.0665, 37.4161, 31.5386



17.0606, 21.3686, 27.6524



5.0801, 5.6515, 5.9428



9.5488, 17.1521, 9.1806



0.0708, 0.1169, 0.0999

Inverse Universe

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



16.4483, 12.7588, 15.7841



27.3133, 19.5531, 24.5047



15.5213, 12.7378, 9.8247



5.1196, 5.0833, 5.7183



10.4044, 5.2719, 4.6340



0.0763, 0.0379, 0.0687

Previews

White Background



This preview shows how the XYZ color 15.8372, 21.5191, 19.2385 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 15.8372, 21.5191, 19.2385 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 15.8372, 21.5191, 19.2385

Background



This preview shows how black text looks on a background with the XYZ color 15.8372, 21.5191, 19.2385.



This preview shows how white text looks on a background with the XYZ color 15.8372, 21.5191,

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

15.8372, 21.5191, 19.2385

Protanopia

20.1277, 21.3298, 17.2436

Deuteranopia

21.6215, 21.2899, 19.7994



Tritanopia

18.0892, 21.5964, 30.0032

Trichromacy



Original Color

15.8372, 21.5191, 19.2385

Protanomaly

18.0010, 21.0032, 17.8571

Deuteranomaly

18.8878, 21.0264, 19.5860

Tritanomaly

17.1317, 21.4043, 25.7828

Monochromacy



Original Color

15.8372, 21.5191, 19.2385

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.6156, 19.2702, 19.6734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8372, 21.5191, 19.2385 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, 139, 114)` looks like.

```
.text, #text, p{  
    color:rgb(83, 139, 114)  
}
```

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, 139, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 139, 114) }
```

Border

The CSS property to change the border of an element to XYZ 15.8372, 21.5191, 19.2385 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, 139, 114) }
```


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

```
.border{ border-color:rgb(83, 139, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 139, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 139, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 139, 114);  
box-shadow:4px 4px 4px 4px rgb(83, 139,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8372, 21.5191, 19.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 139, 114) }
```

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

```
.background{ background-color: rgb(83, 139,  
114) }
```

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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