

Converting Colors

XYZ(19.4429, 19.3102, 33.7128)

Have a look what the booklet for
XYZ(19.4429, 19.3102, 33.7128)
contains.

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Color

**XYZ(19.4429, 19.3102,
33.7128)**

Conversions

Conversions Part 1

Format	Color
Hex	71789B
RGB	113, 120, 155
RGB Percent	44%, 47%, 61%
CMY	0.5569, 0.5294, 0.3922
CMYK	0.27, 0.23, 0.00, 0.39
HSL	230°, 17%, 53%
HSV	230°, 27%, 61%
XYZ	19.4429, 19.3102, 33.7128
YIQ	121.8970, -15.4070, 9.4010

Conversions

Conversions Part 2

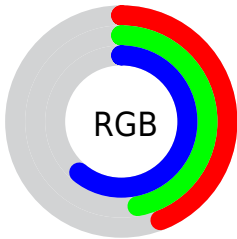
Format	Color
R_{YB}	113, 119, 155
Decimal	7436443
CIE Lab	51.05, 5.61, -19.70
CIE LCh	51, 20.485, 285.885
Yxy	19.3102, 0.2683, 0.2665
Android (android.graphics.Color)	4285626523 (0xFF71789B)
YUV	121.8970, 16.3198, -7.8027
Hunter-Lab	43.9434, 2.0771, -14.7262

Details

The XYZ color **19.4429, 19.3102, 33.7128** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.0884, 29.3408, 19.8590**, and the grayscale version is **18.4176, 19.3768, 21.1013**.

A 20% lighter version of the original color is **42.1113, 42.2652, 66.9113**, and **6.9304, 6.7242, 14.0293** is the 20% darker color. If you saturate the color by 10%, you get **16.1665, 15.4690, 33.1444**, and if you desaturate by 10%, it is **23.2707, 23.7477, 34.3679**.

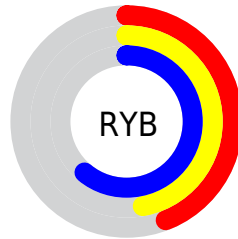
Distribution



Red (44%)

Green (47%)

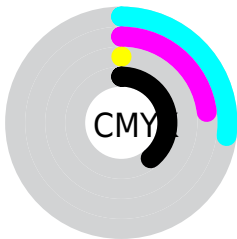
Blue (61%)



Red (44%)

Yellow (47%)

Blue (61%)

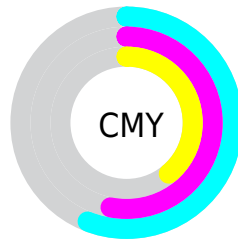


Cyan (27%)

Magenta (23%)

Yellow (0%)

Black (39%)



Cyan (56%)

Magenta (53%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4429, 19.3102, 33.7128 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 19.4429, 19.3102, 33.7128 by changing the saturation by 10% instead.

■ 19.4429, 19.3102,
33.7128

■ 19.4429, 19.3102,
33.7128

241.7745,
248.1559, 333.5795

■ 12.0966, 11.8946,
22.3975

■ 41.9923, 42.2576,
66.6156

■ 6.8822, 6.6720,
13.9481

■ 57.9261, 58.5582,
89.0401

■ 3.4342, 3.2578,
7.9463

■ 77.4532, 78.5894,
116.0048

■ 1.3873, 1.2678,
3.9733

■ 100.9388,
102.7353, 147.9282

■ 0.2472, 0.1160,
1.6107

128.7484,
131.3806, 185.2288

■ 0.0000, 0.0000,
0.2984

161.2473,

■ 0.0000, 0.0000,

164.9095, 228.3252

0.0000

198.8009,
203.7065, 277.6359

■ 19.4429, 19.3102,
33.7128

■ 19.4429, 19.3102,
33.7128

■ 16.1665, 15.4690,
33.1444

■ 23.2707, 23.7477,
34.3679

■ 13.4141, 12.1961,
32.6577

■ 27.6719, 28.8031,
35.1117

■ 11.1585, 9.4649,
32.2494

■ 32.6698, 34.4999,
35.9479

■ 9.3693, 7.2455,
31.9153

■ 38.2856, 40.8597,
36.8795

■ 8.0130, 5.5052,
31.6509

■ 44.5395, 47.9029,
37.9093

■ 7.0509, 4.2072,
31.4511

■ 51.4509, 55.6492,
39.0402

■ 6.4267, 3.3034,
31.3095

■ 59.0383, 64.1173,
40.2749

■ 6.2822, 3.0981,
31.2775

■ 67.3193, 73.3255,
41.6158

■ 76.3112, 83.2911,
43.0654

Harmonies

Analogous

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



17.4183, 19.3102, 33.8354



19.4429, 19.3102, 33.7128



21.3009, 19.3102, 29.8055

Triad

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



19.4429, 19.3102, 33.7128



21.2068, 19.3102, 13.9782



14.8229, 19.3102, 18.4158

Complementary

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



19.4429, 19.3102, 33.7128



27.0884, 29.3408, 19.8590

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.



15.6919, 19.3102, 14.1651



19.4429, 19.3102, 33.7128



19.3221, 19.3102, 11.9416

Square

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



19.4429, 19.3102, 33.7128



22.3694, 19.3102, 18.1121



17.3061, 19.3102, 12.0030



14.8500, 19.3102, 24.2358

Rectangle

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



19.4429, 19.3102, 33.7128



22.1515, 19.3102, 25.9309



17.3061, 19.3102, 12.0030



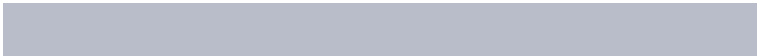
15.0170, 19.3102, 16.7814

Sweetspot

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



19.4435, 19.3110, 33.7132



48.6715, 50.5693, 62.7319



23.8219, 29.0698, 32.0832



10.7504, 11.1411, 14.1542



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.4435, 19.3110, 33.7132



30.8697, 29.9608, 59.6923



20.4705, 18.6358, 33.5288



5.9636, 6.1845, 7.8084



5.0660, 2.5287, 25.1288



0.0941, 0.0746, 0.3818

Inverse Universe

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



22.8134, 20.1354, 20.4542



38.0609, 31.8769, 31.3624



25.8063, 30.3596, 20.1232



6.2487, 6.2387, 6.6899



11.0159, 5.6606, 1.3426



0.1740, 0.0883, 0.0689

Previews

White Background



This preview shows how the XYZ color 19.4429, 19.3102, 33.7128 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 19.4429, 19.3102, 33.7128 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

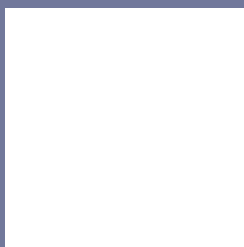
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4429, 19.3102, 33.7128

Background



This preview shows how black text looks on a background with the XYZ color 19.4429, 19.3102, 33.7128.



This preview shows how white text looks on a background with the XYZ color 19.4429, 19.3102,

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

19.4429, 19.3102, 33.7128

Protanopia

19.4429, 19.3102, 33.7128

Deuteranopia

19.7157, 19.2732, 33.6913



Tritanopia

17.8174, 19.3877, 25.3574

Trichromacy



Original Color

19.4429, 19.3102, 33.7128

Protanomaly

19.4429, 19.3102, 33.7128

Deuteranomaly

19.5835, 19.2050, 33.6851

Tritanomaly

18.3959, 19.4339, 28.3727

Monochromacy



Original Color

19.4429, 19.3102, 33.7128

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.7482, 19.3179, 25.2949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4429, 19.3102, 33.7128 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(113, 120, 155)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 155)  
}
```

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(113, 120, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 155) }
```

Border

The CSS property to change the border of an element to XYZ 19.4429, 19.3102, 33.7128 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(113, 120, 155) }
```


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

```
.border{ border-color:rgb(113, 120, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 155);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4429, 19.3102, 33.7128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 155) }
```

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

```
.background{ background-color: rgb(113,  
120, 155) }
```

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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