

Converting Colors

XYZ(19.9382, 19.3218, 33.8209)

Have a look what the booklet for
XYZ(19.9382, 19.3218, 33.8209)
contains.

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Color

**XYZ(19.9844, 19.4118,
33.7039)**

Conversions

Conversions Part 1

Format	Color
Hex	76779B
RGB	118, 119, 155
RGB Percent	46%, 47%, 61%
CMY	0.5372, 0.5333, 0.3922
CMYK	0.24, 0.23, 0.00, 0.39
HSL	238°, 16%, 54%
HSV	238°, 24%, 61%
XYZ	19.9844, 19.4118, 33.7039
YIQ	122.8050, -12.1520, 10.9840

Conversions

Conversions Part 2

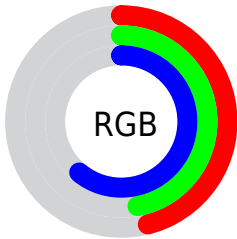
Format	Color
R_{YB}	118, 119, 155
Decimal	7763867
CIE Lab	51.17, 7.81, -19.49
CIE LCh	51, 20.996, 291.841
Yxy	19.4118, 0.2734, 0.2656
Android (android.graphics.Color)	4285953947 (0xFF76779B)
YUV	122.8050, 15.8721, -4.2140
Hunter-Lab	44.0588, 3.8619, -14.5142

Details

The XYZ color **19.9844, 19.4118, 33.7039** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.3433, 31.3876, 21.7045**, and the grayscale version is **18.7153, 19.6900, 21.4424**.

A 20% lighter version of the original color is **42.9904, 42.4369, 66.8981**, and **7.2062, 6.7712, 14.0239** is the 20% darker color. If you saturate the color by 10%, you get **16.3954, 15.1058, 33.0622**, and if you desaturate by 10%, it is **24.2053, 24.4673, 34.4576**.

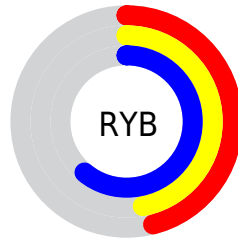
Distribution



Red (46%)

Green (47%)

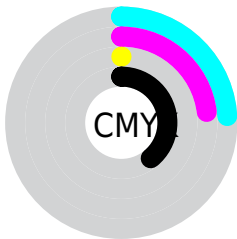
Blue (61%)



Red (46%)

Yellow (47%)

Blue (61%)

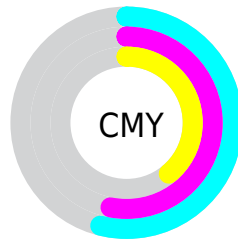


Cyan (24%)

Magenta (23%)

Yellow (0%)

Black (39%)



Cyan (54%)

Magenta (53%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9844, 19.4118, 33.7039 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 19.9844, 19.4118, 33.7039 by changing the saturation by 10% instead.

■ 19.9844, 19.4118,
33.7039

■ 19.9844, 19.4118,
33.7039

244.6658,
248.7128, 333.5385

■ 12.4919, 11.9682,
22.3907

■ 42.8952, 42.4288,
66.6016

■ 7.1542, 6.7220,
13.9432

■ 59.0442, 58.7710,
89.0231

■ 3.6059, 3.2889,
7.9429

■ 78.8093, 78.8482,
115.9845

■ 1.4817, 1.2843,
3.9712

102.5561,
103.0447, 147.9044

■ 0.3133, 0.1290,
1.6095

130.6498,
131.7451, 185.2011

■ 0.0000, 0.0000,
0.2976

163.4557,

■ 0.0000, 0.0000,

165.3336, 228.2934

0.0000

201.3393,
204.1947, 277.5996

■ 19.9844, 19.4118,
33.7039

■ 19.9844, 19.4118,
33.7039

■ 16.3954, 15.1058,
33.0622

■ 24.2053, 24.4673,
34.4576

■ 13.4063, 11.5114,
32.5260

■ 29.0845, 30.3031,
35.3268

■ 10.9848, 8.5910,
32.0899

■ 34.6493, 36.9510,
36.3167

■ 9.0950, 6.3026,
31.7478

■ 40.9245, 44.4406,
37.4316

■ 7.6970, 4.5996,
31.4928

■ 47.9341, 52.7999,
38.6757

■ 6.7451, 3.4287,
31.3170

■ 55.7008, 62.0554,
40.0528

■ 6.1850, 2.7271,
31.2111

■ 64.2462, 72.2328,
41.5668

■ 5.9620, 2.4577,
31.1708

■ 73.5912, 83.3565,
43.2214

■ 82.8295, 94.9726,
44.9766

Harmonies

Analogous

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



17.8865, 19.4118, 34.6807



19.9844, 19.4118, 33.7039



21.7901, 19.4118, 29.0645

Triad

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



19.9844, 19.4118, 33.7039



21.0433, 19.4118, 13.3240



14.7552, 19.4118, 19.5462

Complementary

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



19.9844, 19.4118, 33.7039



28.3433, 31.3876, 21.7045

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.



15.4705, 19.4118, 14.7991



19.9844, 19.4118, 33.7039



19.0259, 19.4118, 11.6764

Square

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



19.9844, 19.4118, 33.7039



22.4328, 19.4118, 17.1411



16.9969, 19.4118, 12.1601



14.9695, 19.4118, 25.7081

Rectangle

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



19.9844, 19.4118, 33.7039



22.5335, 19.4118, 24.9253



16.9969, 19.4118, 12.1601



14.8929, 19.4118, 17.7519

Sweetspot

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



19.9850, 19.4126, 33.7043



49.1002, 50.6984, 62.7342



25.0062, 29.6199, 34.8696



11.0061, 11.3468, 14.1804



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.



19.9850, 19.4126, 33.7043



31.9945, 30.2126, 59.6816



22.4299, 20.4969, 33.7848



5.8972, 6.0518, 7.7863



4.7933, 1.9833, 25.0379



0.0748, 0.0359, 0.3754

Inverse Universe

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



23.3262, 21.2578, 20.3274



39.1163, 34.1661, 31.1641



25.4289, 30.1316, 21.6157



6.2152, 6.2253, 6.5135



10.8782, 5.6055, 0.6177



0.1642, 0.0844, 0.0176

Previews

White Background



This preview shows how the XYZ color 19.9844, 19.4118, 33.7039 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 19.9844, 19.4118, 33.7039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

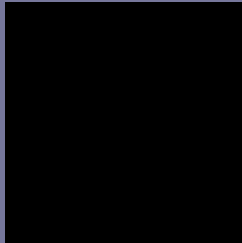
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9844, 19.4118, 33.7039

Background



This preview shows how black text looks on a background with the XYZ color 19.9844, 19.4118, 33.7039.



This preview shows how white text looks on a background with the XYZ color 19.9844, 19.4118,

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

19.9844, 19.4118, 33.7039

Protanopia

19.5273, 19.3440, 34.1570

Deuteranopia

19.8353, 19.5125, 33.7312



Tritanopia

18.2560, 19.4368, 24.9798

Trichromacy



Original Color

19.9844, 19.4118, 33.7039

Protanomaly

19.7875, 19.4781, 34.1692

Deuteranomaly

19.9690, 19.5814, 33.7375

Tritanomaly

18.8375, 19.4870, 27.9678

Monochromacy



Original Color

19.9844, 19.4118, 33.7039

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2179, 19.7333, 25.7177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9844, 19.4118, 33.7039 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(118, 119, 155)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 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(118, 119, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 155) }
```

Border

The CSS property to change the border of an element to XYZ 19.9844, 19.4118, 33.7039 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(118, 119, 155) }
```


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

```
.border{ border-color:rgb(118, 119, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 119, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 119, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 119, 155);  
box-shadow:4px 4px 4px 4px rgb(118, 119,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9844, 19.4118, 33.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 155) }
```

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

```
.background{ background-color: rgb(118,  
119, 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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