

Converting Colors

XYZ(12.0054, 11.8177, 16.3756)

Have a look what the booklet for
XYZ(12.0054, 11.8177, 16.3756)
contains.

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Color

**XYZ(11.9628, 11.7838,
16.3959)**

Conversions

Conversions Part 1

Format	Color
Hex	635E6E
RGB	99, 94, 110
RGB Percent	39%, 37%, 43%
CMY	0.6118, 0.6314, 0.5686
CMYK	0.10, 0.15, 0.00, 0.57
HSL	259°, 8%, 40%
HSV	259°, 15%, 43%
XYZ	11.9628, 11.7838, 16.3959
YIQ	97.3190, -2.1560, 6.0360

Conversions

Conversions Part 2

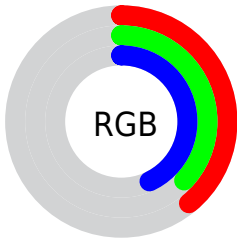
Format	Color
R_YB	99, 94, 110
Decimal	6512238
CIE Lab	40.87, 5.44, -8.35
CIE LCh	41, 9.968, 303.092
Yxy	11.7838, 0.2980, 0.2935
Android (android.graphics.Color)	4284702318 (0xFF635E6E)
YUV	97.3190, 6.2517, 1.4742
Hunter-Lab	34.3275, 2.1322, -4.2895

Details

The XYZ color **11.9628, 11.7838, 16.3959** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4223, 14.9636, 12.7710**, and the grayscale version is **11.4265, 12.0216, 13.0915**.

A 20% lighter version of the original color is **29.0725, 29.0392, 38.2553**, and **3.3426, 3.1918, 4.9973** is the 20% darker color. If you saturate the color by 10%, you get **10.2657, 9.5591, 16.0561**, and if you desaturate by 10%, it is **13.8774, 14.3282, 16.7863**.

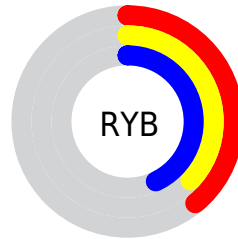
Distribution



Red (39%)

Green (37%)

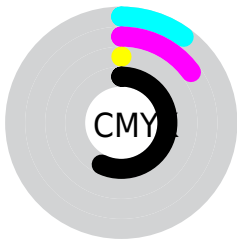
Blue (43%)



Red (39%)

Yellow (37%)

Blue (43%)

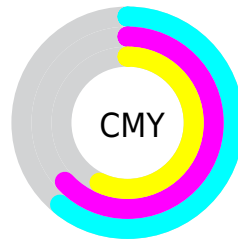


Cyan (10%)

Magenta (15%)

Yellow (0%)

Black (57%)



Cyan (61%)

Magenta (63%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9628, 11.7838, 16.3959 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 11.9628, 11.7838, 16.3959 by changing the saturation by 10% instead.

■ 11.9628, 11.7838,
16.3959

■ 11.9628, 11.7838,
16.3959

197.9338,
202.9687, 243.5916

■ 6.7904, 6.5966,
9.6474

■ 29.0448, 29.1007,
38.0605

■ 3.3765, 3.2111,
5.0632

■ 41.6850, 41.9993,
53.8136

■ 1.3559, 1.2429,
2.2250

■ 57.5453, 58.2371,
73.4053

■ 0.2244, 0.0964,
0.6888

■ 76.9909, 78.1985,
97.2541

■ 0.0000, 0.0000,
0.0000

100.3872,
102.2680, 125.7786

128.0995,

130.8300, 159.3973

160.4933,
164.2687, 198.5288

■ 11.9628, 11.7838,
16.3959

■ 11.9628, 11.7838,
16.3959

■ 10.2657, 9.5591,
16.0561

■ 13.8774, 14.3282,
16.7863

■ 8.7771, 7.6399,
15.7641

■ 16.0161, 17.2030,
17.2285

■ 7.4888, 6.0129,
15.5180

■ 18.3863, 20.4200,
17.7245

■ 6.3918, 4.6633,
15.3153

■ 20.9949, 23.9903,
18.2761

■ 5.4762, 3.5750,
15.1535

■ 23.8485, 27.9241,
18.8850

■ 4.7311, 2.7303,
15.0297

■ 26.9533, 32.2316,
19.5528

■ 4.1446, 2.1091,
14.9407

■ 30.3155, 36.9222,
20.2810

■ 3.6976, 1.6777,
14.8810

■ 33.9409, 42.0051,
21.0710

■ 3.4866, 1.4723,
14.8525

■ 37.8351, 47.4895,
21.9244

Harmonies

Analogous

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



11.2740, 11.7838, 17.1478



11.9628, 11.7838, 16.3959



12.4632, 11.7838, 14.6841

Triad

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



11.9628, 11.7838, 16.3959



11.8299, 11.7838, 9.6480



9.8905, 11.7838, 13.0428

Complementary

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



11.9628, 11.7838, 16.3959



13.4223, 14.9636, 12.7710

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.



10.0254, 11.7838, 11.1399



11.9628, 11.7838, 16.3959



11.1266, 11.7838, 9.3065

Square

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



11.9628, 11.7838, 16.3959



12.3842, 11.7838, 10.8105



10.4706, 11.7838, 9.8236



10.0940, 11.7838, 15.0877

Rectangle

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



11.9628, 11.7838, 16.3959



12.6120, 11.7838, 13.3070



10.4706, 11.7838, 9.8236



9.8978, 11.7838, 12.3657

Sweetspot

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



11.9632, 11.7843, 16.3962



24.5272, 25.3715, 29.5117



12.5029, 13.6498, 16.7278



5.6575, 5.8370, 6.8572



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.9632, 11.7843, 16.3962



20.1035, 19.5017, 28.6119



12.8569, 12.2450, 16.4380



3.3066, 3.3464, 4.2259



4.1604, 1.7542, 17.8409



19.9271, 8.3272, 88.8362

Inverse Universe

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



12.9833, 12.3407, 15.0626



22.2217, 20.6577, 25.8168



12.5478, 14.5127, 12.7300



3.4722, 3.4366, 4.0132



9.2631, 4.5976, 8.4613



45.7421, 22.7422, 40.0356

Previews

White Background



This preview shows how the XYZ color 11.9628, 11.7838, 16.3959 looks on a white 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

Black Background



This preview shows how the XYZ color 11.9628, 11.7838, 16.3959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

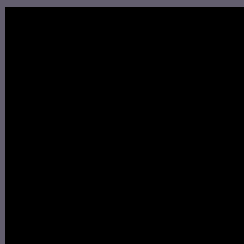
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9628, 11.7838, 16.3959

Background



This preview shows how black text looks on a background with the XYZ color 11.9628, 11.7838, 16.3959.



This preview shows how white text looks on a background with the XYZ color 11.9628, 11.7838,

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

11.9628, 11.7838, 16.3959

Protanopia

11.6682, 11.8931, 16.7195

Deuteranopia

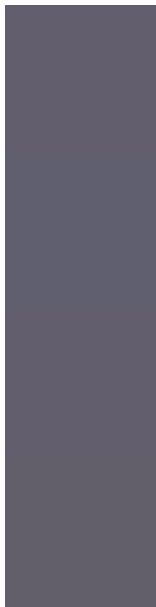
11.9628, 11.7838, 16.3959



Tritanopia

11.5774, 11.7604, 14.4917

Trichromacy



Original Color

11.9628, 11.7838, 16.3959

Protanomaly

11.7853, 11.8189, 16.6991

Deuteranomaly

11.9628, 11.7838, 16.3959

Tritanomaly

11.7307, 11.8217, 15.2992

Monochromacy



Original Color

11.9628, 11.7838, 16.3959

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6181, 11.9217, 14.2592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9628, 11.7838, 16.3959 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(99, 94, 110) looks like.

```
.text, #text, p{  
    color:rgb(99, 94, 110)  
}
```

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(99, 94, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 94, 110) }
```

Border

The CSS property to change the border of an element to XYZ 11.9628, 11.7838, 16.3959 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(99, 94, 110) }
```


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

```
.border{ border-color:rgb(99, 94, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 94, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 94, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 94, 110);  
box-shadow:4px 4px 4px 4px rgb(99, 94,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9628, 11.7838, 16.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 94, 110) }
```

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

```
.background{ background-color: rgb(99, 94,  
110) }
```

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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