

Converting Colors

XYZ(18.9928, 18.9387, 31.9327)

Have a look what the booklet for
XYZ(18.9928, 18.9387, 31.9327)
contains.

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Color

**XYZ(18.9928, 18.9387,
31.9327)**

Conversions

Conversions Part 1

Format	Color
Hex	717797
RGB	113, 119, 151
RGB Percent	44%, 47%, 59%
CMY	0.5569, 0.5333, 0.4078
CMYK	0.25, 0.21, 0.00, 0.41
HSL	231°, 15%, 52%
HSV	231°, 25%, 59%
XYZ	18.9928, 18.9387, 31.9327
YIQ	120.8540, -13.8480, 8.6800

Conversions

Conversions Part 2

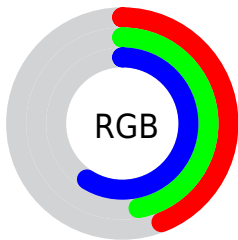
Format	Color
R_{YB}	113, 118, 151
Decimal	7436183
CIE _{Lab}	50.62, 5.18, -18.02
CIE _{LCh}	51, 18.754, 286.038
Yxy	18.9387, 0.2719, 0.2711
Android (android.graphics.Color)	4285626263 (0xFF717797)
YUV	120.8540, 14.8620, -6.8880
Hunter-Lab	43.5186, 1.7451, -13.0423

Details

The XYZ color **18.9928, 18.9387, 31.9327** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.8689, 28.0226, 19.6689**, and the grayscale version is **18.0841, 19.0259, 20.7192**.

A 20% lighter version of the original color is **41.0994, 41.5329, 63.6081**, and **6.6678, 6.5166, 12.9630** is the 20% darker color. If you saturate the color by 10%, you get **15.7960, 15.1929, 31.3785**, and if you desaturate by 10%, it is **22.7165, 23.2577, 32.5704**.

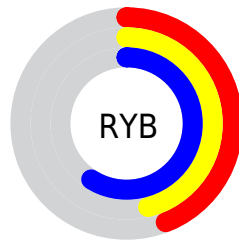
Distribution



Red (44%)

Green (47%)

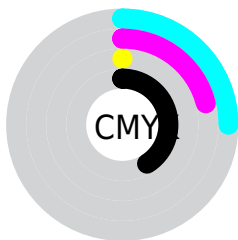
Blue (59%)



Red (44%)

Yellow (46%)

Blue (59%)

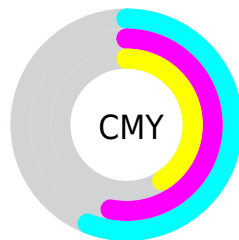


Cyan (25%)

Magenta (21%)

Yellow (0%)

Black (41%)



Cyan (56%)

Magenta (53%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9928, 18.9387, 31.9327 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 18.9928, 18.9387, 31.9327 by changing the saturation by 10% instead.

■ 18.9928, 18.9387,
31.9327

■ 18.9928, 18.9387,
31.9327

239.3479,
246.1101, 325.2958

■ 11.7691, 11.6260,
21.0457

■ 41.2389, 41.6305,
63.8023

■ 6.6577, 6.4895,
12.9658

■ 56.9920, 57.7784,
85.6219

■ 3.2934, 3.1450,
7.2746

■ 76.3188, 77.6401,
111.9228

■ 1.3107, 1.2079,
3.5534

■ 99.5849, 101.6000,
143.1236

■ 0.1912, 0.0681,
1.3837

127.1555,
130.0426, 179.6427

■ 0.0000, 0.0000,
0.1289

159.3959,

■ 0.0000, 0.0000,

163.3522, 221.8988

0.0000

196.6716,
201.9133, 270.3103

■ 18.9928, 18.9387,
31.9327

■ 18.9928, 18.9387,
31.9327

■ 15.7960, 15.1929,
31.3785

■ 22.7165, 23.2577,
32.5704

■ 13.1005, 11.9937,
30.9031

■ 26.9878, 28.1702,
33.2935

■ 10.8808, 9.3160,
30.5032

■ 31.8283, 33.6987,
34.1055

■ 9.1089, 7.1317,
30.1750

■ 37.2581, 39.8634,
35.0092

■ 7.7535, 5.4099,
29.9141

■ 43.2961, 46.6839,
36.0075

■ 6.7791, 4.1162,
29.7157

■ 49.9606, 54.1788,
37.1029

■ 6.1415, 3.2097,
29.5744

■ 57.2688, 62.3659,
38.2980

■ 5.9094, 2.8813,
29.5232

■ 65.2375, 71.2626,
39.5952

■ 73.8828, 80.8853,
40.9969

Harmonies

Analogous

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



17.1630, 18.9387, 32.0596



18.9928, 18.9387, 31.9327



20.6607, 18.9387, 28.4583

Triad

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



18.9928, 18.9387, 31.9327



20.5619, 18.9387, 14.1711



14.7901, 18.9387, 18.2784

Complementary

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



18.9928, 18.9387, 31.9327



25.8689, 28.0226, 19.6689

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.



15.5793, 18.9387, 14.3735



18.9928, 18.9387, 31.9327



18.8652, 18.9387, 12.2893

Square

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



18.9928, 18.9387, 31.9327



21.6078, 18.9387, 17.9543



17.0437, 18.9387, 12.3565



14.8191, 18.9387, 23.5395

Rectangle

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



18.9928, 18.9387, 31.9327



21.4200, 18.9387, 25.0017



17.0437, 18.9387, 12.3565



14.9660, 18.9387, 16.7845

Sweetspot

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



18.9934, 18.9395, 31.9331



45.9347, 47.6995, 59.2196



22.9623, 27.6784, 30.7861



10.1897, 10.5535, 13.4175



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.9934, 18.9395, 31.9331



30.7877, 30.1463, 56.6298



20.0467, 18.4555, 31.7842



5.9594, 6.1761, 7.8070



5.0418, 2.4803, 25.1207



0.0929, 0.0721, 0.3814

Inverse Universe

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



21.9979, 19.7221, 20.1008



37.1118, 31.8995, 31.7009



24.5842, 28.7576, 19.8784



6.2466, 6.2378, 6.6787



11.0036, 5.6557, 1.2782



0.1733, 0.0881, 0.0657

Previews

White Background



This preview shows how the XYZ color 18.9928, 18.9387, 31.9327 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 18.9928, 18.9387, 31.9327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

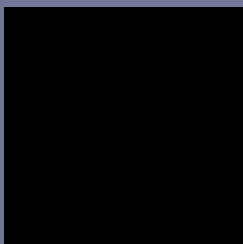
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

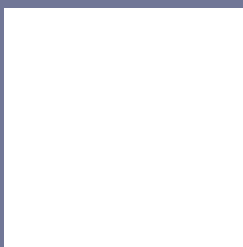
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9928, 18.9387, 31.9327

Background



This preview shows how black text looks on a background with the XYZ color 18.9928, 18.9387, 31.9327.



This preview shows how white text looks on a background with the XYZ color 18.9928, 18.9387,

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

18.9928, 18.9387, 31.9327

Protanopia

18.9928, 18.9387, 31.9327

Deuteranopia

19.2668, 18.9042, 31.9116



Tritanopia

17.4311, 18.8362, 24.5468

Trichromacy



Original Color

18.9928, 18.9387, 31.9327

Protanomaly

18.9928, 18.9387, 31.9327

Deuteranomaly

19.1346, 18.8361, 31.9054

Tritanomaly

17.9280, 18.8538, 27.1203

Monochromacy



Original Color

18.9928, 18.9387, 31.9327

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3525, 18.9504, 24.5203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9928, 18.9387, 31.9327 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, 119, 151)` looks like.

```
.text, #text, p{  
    color:rgb(113, 119, 151)  
}
```

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, 119, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 119, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.9928, 18.9387, 31.9327 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, 119, 151) }
```


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

```
.border{ border-color:rgb(113, 119, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 119, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 119, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 119, 151);  
box-shadow:4px 4px 4px 4px rgb(113, 119,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9928, 18.9387, 31.9327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 119, 151) }
```

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

```
.background{ background-color: rgb(113,  
119, 151) }
```

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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