

Converting Colors

XYZ(11.3267, 9.4828, 31.7307)

Have a look what the booklet for
XYZ(11.3267, 9.4828, 31.7307)
contains.

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Color

**XYZ(11.3737, 9.5575,
31.8172)**

Conversions

Conversions Part 1

Format	Color
Hex	47519A
RGB	71, 81, 154
RGB Percent	28%, 32%, 60%
CMY	0.7216, 0.6824, 0.3961
CMYK	0.54, 0.47, 0.00, 0.40
HSL	233°, 37%, 44%
HSV	233°, 54%, 60%
XYZ	11.3737, 9.5575, 31.8172
YIQ	86.3320, -29.3930, 20.5830

Conversions

Conversions Part 2

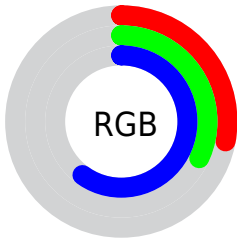
Format	Color
RYB	71, 80, 154
Decimal	4673946
CIELab	37.04, 17.79, -41.28
CIELCh	37, 44.945, 293.312
Yxy	9.5575, 0.2156, 0.1812
Android (android.graphics.Color)	4282864026 (0xFF47519A)
YUV	86.3320, 33.3603, -13.4462
Hunter-Lab	30.9152, 11.5685, -39.3792

Details

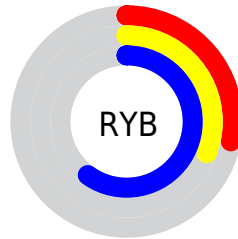
The XYZ color **11.3737, 9.5575, 31.8172** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.4379, 27.2729, 9.9381**, and the grayscale version is **8.8520, 9.3130, 10.1418**.

A 20% lighter version of the original color is **27.9487, 24.9287, 63.6603**, and **3.1224, 2.3147, 12.8526** is the 20% darker color. If you saturate the color by 10%, you get **9.4760, 7.2312, 31.4684**, and if you desaturate by 10%, it is **13.7593, 12.4336, 32.2468**.

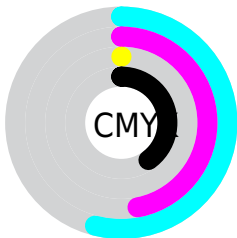
Distribution



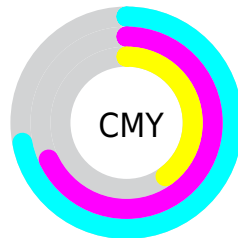
- Red (28%)
- Green (32%)
- Blue (60%)



- Red (28%)
- Yellow (31%)
- Blue (60%)



- Cyan (54%)
- Magenta (47%)
- Yellow (0%)
- Black (40%)



- Cyan (72%)
- Magenta (68%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3737, 9.5575, 31.8172 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 11.3737, 9.5575, 31.8172 by changing the saturation by 10% instead.

■ 11.3737, 9.5575,
31.8172

■ 11.3737, 9.5575,
31.8172

194.0695,
187.4840, 324.7527

■ 6.3879, 5.1066,
20.9583

■ 27.9760, 24.9598,
63.6190

■ 3.1253, 2.3099,
12.9025

■ 40.3233, 36.6800,
85.3989

■ 1.2203, 0.7790,
7.2315

■ 55.8551, 51.5920,
111.6562

■ 0.1223, 0.0000,
3.5267

■ 74.9368, 70.0803,
142.8095

■ 0.0000, 0.0000,
1.3695

■ 97.9337, 92.5293,
179.2772

■ 0.0000, 0.0000,
0.1177

125.2112,

■ 0.0000, 0.0000,

119.3233, 221.4780

0.0000

157.1347,
150.8467, 269.8303

■ 11.3737, 9.5575,
31.8172

■ 11.3737, 9.5575,
31.8172

■ 9.4760, 7.2312,
31.4684

■ 13.7593, 12.4336,
32.2468

■ 8.0308, 5.4183,
31.1946

■ 16.6623, 15.8908,
32.7611

■ 7.0000, 4.0796,
30.9906

■ 20.1114, 19.9591,
33.3646

■ 6.3383, 3.1694,
30.8498

■ 24.1326, 24.6662,
34.0612

■ 6.0581, 2.7837,
30.7901

■ 28.7506, 30.0380,
34.8547

■ 33.9883, 36.0990,
35.7485

■ 39.8676, 42.8726,
36.7461

■ 46.4092, 50.3809,
37.8505

■ 53.6329, 58.6451,
39.0650

Harmonies

Analogous

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



8.4742, 9.5575, 34.2978



11.3737, 9.5575, 31.8172



14.0937, 9.5575, 22.5305

Triad

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



11.3737, 9.5575, 31.8172



12.6761, 9.5575, 2.3142



4.7341, 9.5575, 8.7196

Complementary

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



11.3737, 9.5575, 31.8172



24.4379, 27.2729, 9.9381

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.



5.4293, 9.5575, 3.6672



11.3737, 9.5575, 31.8172



9.7226, 9.5575, 1.3953

Square

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



11.3737, 9.5575, 31.8172



14.9467, 9.5575, 5.4386



7.1245, 9.5575, 1.7182



4.9985, 9.5575, 17.7367

Rectangle

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



11.3737, 9.5575, 31.8172



15.2437, 9.5575, 15.4643



7.1245, 9.5575, 1.7182



4.8576, 9.5575, 6.5926

Sweetspot

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



11.3741, 9.5578, 31.8174



41.9674, 42.6230, 61.5514



19.1075, 26.4323, 30.0554



9.1770, 9.2709, 13.8761



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.



11.3741, 9.5578, 31.8174



16.5083, 12.2595, 57.0325



13.5021, 9.6321, 31.7196



5.9415, 6.1403, 7.8010



4.9509, 2.2984, 25.0904



0.0877, 0.0618, 0.3797

Inverse Universe

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



17.0653, 11.9712, 9.1959



28.1216, 17.6004, 10.7781



20.9431, 27.8194, 10.2278



6.2376, 6.2342, 6.6311



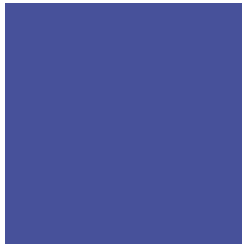
10.9577, 5.6373, 1.0365



0.1707, 0.0870, 0.0519

Previews

White Background



This preview shows how the XYZ color 11.3737, 9.5575, 31.8172 looks on a white background.

Color Contrast Check

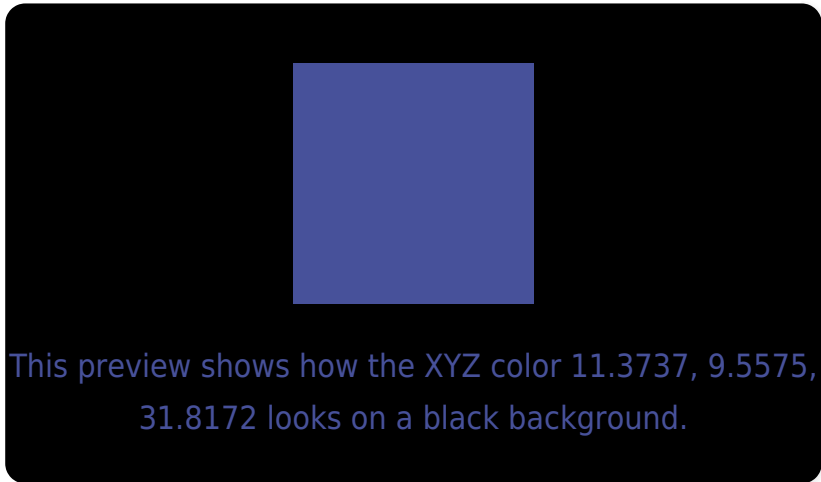
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

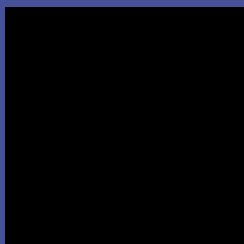
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.3737, 9.5575, 31.8172

Background



This preview shows how black text looks on a background with the XYZ color 11.3737, 9.5575, 31.8172.



This preview shows how white text looks on a background with the XYZ color 11.3737, 9.5575,

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

11.3737, 9.5575, 31.8172

Protanopia

10.7853, 9.6694, 33.6457

Deuteranopia

9.7529, 9.5535, 31.0357



Tritanopia

7.6795, 9.4984, 13.7405

Trichromacy



Original Color

11.3737, 9.5575, 31.8172

Protanomaly

11.0010, 9.6745, 33.1858

Deuteranomaly

10.1250, 9.3777, 31.4134

Tritanomaly

8.7662, 9.4306, 19.1276

Monochromacy



Original Color

11.3737, 9.5575, 31.8172

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.4329, 9.2377, 16.3248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3737, 9.5575, 31.8172 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(71, 81, 154)` looks like.

```
.text, #text, p{  
    color:rgb(71, 81, 154)  
}
```

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(71, 81, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 81, 154) }
```

Border

The CSS property to change the border of an element to XYZ 11.3737, 9.5575, 31.8172 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(71, 81, 154) }
```


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

```
.border{ border-color:rgb(71, 81, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 81, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 81, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 81, 154);  
box-shadow:4px 4px 4px 4px rgb(71, 81,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3737, 9.5575, 31.8172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 81, 154) }
```

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

```
.background{ background-color: rgb(71, 81,  
154) }
```

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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