

Converting Colors

XYZ(12.1070, 12.6654, 15.7749)

Have a look what the booklet for
XYZ(12.1070, 12.6654, 15.7749)
contains.

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Color

**XYZ(12.1408, 12.7173,
15.7247)**

Conversions

Conversions Part 1

Format	Color
Hex	61646B
RGB	97, 100, 107
RGB Percent	38%, 39%, 42%
CMY	0.6196, 0.6078, 0.5804
CMYK	0.09, 0.07, 0.00, 0.58
HSL	222°, 5%, 40%
HSV	222°, 9%, 42%
XYZ	12.1408, 12.7173, 15.7247
YIQ	99.9010, -4.0350, 1.5410

Conversions

Conversions Part 2

Format	Color
R_{YB}	97, 99, 107
Decimal	6382699
CIE Lab	42.33, 0.37, -4.35
CIE LCh	42, 4.371, 274.852
Yxy	12.7173, 0.2992, 0.3134
Android (android.graphics.Color)	4284572779 (0xFF61646B)
YUV	99.9010, 3.4998, -2.5442
Hunter-Lab	35.6613, -1.6375, -1.1807

Details

The XYZ color **12.1408, 12.7173, 15.7247** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1714, 13.8894, 13.2962**, and the grayscale version is **12.0803, 12.7094, 13.8406**.

A 20% lighter version of the original color is **29.4509, 30.8977, 36.7594**, and **3.4540, 3.5763, 4.7832** is the 20% darker color. If you saturate the color by 10%, you get **10.3913, 10.7980, 15.4466**, and if you desaturate by 10%, it is **14.1109, 14.8490, 16.0325**.

Distribution



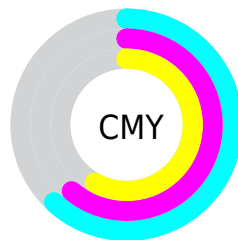
- Red (38%)
- Green (39%)
- Blue (42%)



- Red (38%)
- Yellow (39%)
- Blue (42%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (58%)



- Cyan (62%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1408, 12.7173, 15.7247 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 12.1408, 12.7173, 15.7247 by changing the saturation by 10% instead.

■ 12.1408, 12.7173,
15.7247

■ 12.1408, 12.7173,
15.7247

199.0861,
209.0979, 239.5017

■ 6.9125, 7.2342,
9.1773

■ 29.3659, 30.7950,
36.8797

■ 3.4533, 3.6090,
4.7586

■ 42.0935, 44.1583,
52.3244

■ 1.3978, 1.4573,
2.0501

■ 58.0515, 60.9171,
71.5720

■ 0.2546, 0.2584,
0.5858

■ 77.6054, 81.4559,
95.0410

■ 0.0000, 0.0000,
0.0000

101.1204,
106.1589, 123.1499

128.9620,

135.4107, 156.3173

161.4954,
169.5955, 194.9617

■ 12.1408, 12.7173,
15.7247

■ 12.1408, 12.7173,
15.7247

■ 10.3913, 10.7980,
15.4466

■ 14.1109, 14.8490,
16.0325

■ 8.8533, 9.0829,
15.1967

■ 16.3080, 17.1979,
16.3701

■ 7.5190, 7.5653,
14.9741

■ 18.7396, 19.7707,
16.7386

■ 6.3793, 6.2379,
14.7779

■ 21.4124, 22.5732,
17.1386

■ 5.4246, 5.0927,
14.6072

■ 24.3329, 25.6110,
17.5710

■ 4.6444, 4.1209,
14.4607

■ 27.5075, 28.8896,
18.0366

■ 4.0270, 3.3134,
14.3374

■ 30.9421, 32.4142,
18.5358

■ 3.5593, 2.6596,
14.2359

■ 34.6426, 36.1900,
19.0696

■ 3.1957, 2.1322,
14.1532

■ 38.6147, 40.2217,
19.6385

Harmonies

Analogous

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



11.8215, 12.7173, 15.5462



12.1408, 12.7173, 15.7247



12.4512, 12.7173, 15.3818

Triad

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



12.1408, 12.7173, 15.7247



12.6121, 12.7173, 12.8408



11.5258, 12.7173, 13.0939

Complementary

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



12.1408, 12.7173, 15.7247



13.1714, 13.8894, 13.2962

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.



11.7308, 12.7173, 12.4178



12.1408, 12.7173, 15.7247



12.3573, 12.7173, 12.2763

Square

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



12.1408, 12.7173, 15.7247



12.7264, 12.7173, 13.6949



12.0342, 12.7173, 12.1250



11.4702, 12.7173, 14.0002

Rectangle

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



12.1408, 12.7173, 15.7247



12.6102, 12.7173, 14.9124



12.0342, 12.7173, 12.1250



11.5793, 12.7173, 12.8335

Sweetspot

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



12.1412, 12.7178, 15.7250



23.9015, 25.1169, 28.4960



12.6779, 14.0531, 15.0969



5.7251, 6.0145, 6.8879



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.



12.1412, 12.7178, 15.7250



21.0937, 22.0677, 28.0554



12.0562, 12.2545, 15.6400



3.0156, 3.1596, 3.8858



3.8358, 2.5059, 17.2038



18.8652, 11.4089, 87.4340

Inverse Universe

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



12.6386, 12.5956, 13.8223



22.1612, 21.8166, 23.9702



13.2609, 14.3920, 13.3885



3.1337, 3.1304, 3.4344



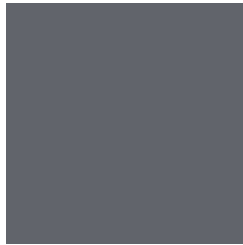
7.6830, 3.9253, 1.9592



38.8051, 19.8640, 8.1762

Previews

White Background



This preview shows how the XYZ color 12.1408, 12.7173, 15.7247 looks on a white background.

Color Contrast Check

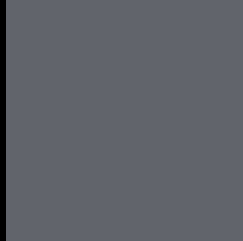
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1408, 12.7173, 15.7247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

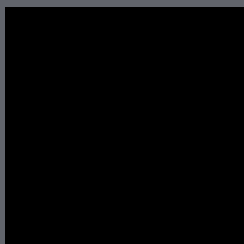
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

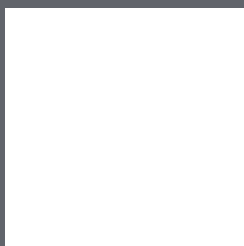
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1408, 12.7173, 15.7247

Background



This preview shows how black text looks on a background with the XYZ color 12.1408, 12.7173, 15.7247.

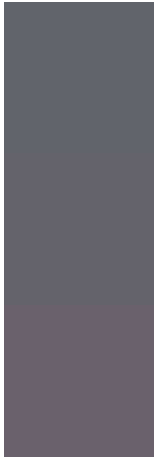


This preview shows how white text looks on a background with the XYZ color 12.1408, 12.7173,

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

12.1408, 12.7173, 15.7247

Protanopia

12.3712, 12.6945, 15.7082

Deuteranopia

12.9253, 12.6963, 15.9567



Tritanopia

12.1937, 12.7384, 16.0034

Trichromacy



Original Color

12.1408, 12.7173, 15.7247

Protanomaly

12.2613, 12.6379, 15.7030

Deuteranomaly

12.6680, 12.7016, 15.9713

Tritanomaly

12.1937, 12.7384, 16.0034

Monochromacy



Original Color

12.1408, 12.7173, 15.7247

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1509, 12.7463, 14.6518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1408, 12.7173, 15.7247 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(97, 100, 107) looks like.

```
.text, #text, p{  
    color:rgb(97, 100, 107)  
}
```

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(97, 100, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 100, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.1408, 12.7173, 15.7247 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(97, 100, 107) }
```


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

```
.border{ border-color:rgb(97, 100, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 100, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 100, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 100, 107);  
box-shadow:4px 4px 4px 4px rgb(97, 100,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1408, 12.7173, 15.7247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 100, 107) }
```

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

```
.background{ background-color: rgb(97, 100,  
107) }
```

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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