

Converting Colors

XYZ(11.6396, 12.3300, 12.8008)

Have a look what the booklet for
XYZ(11.6396, 12.3300, 12.8008)
contains.

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Color

**XYZ(11.7188, 12.4209,
12.8462)**

Conversions

Conversions Part 1

Format	Color
Hex	636360
RGB	99, 99, 96
RGB Percent	39%, 39%, 38%
CMY	0.6118, 0.6118, 0.6235
CMYK	0.00, 0.00, 0.03, 0.61
HSL	60°, 2%, 38%
HSV	60°, 3%, 39%
XYZ	11.7188, 12.4209, 12.8462
YIQ	98.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

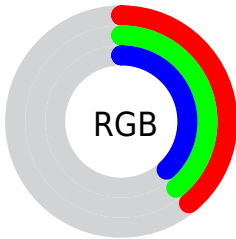
Format	Color
RYB	96, 99, 96
Decimal	6513504
CIELab	41.88, -0.61, 1.70
CIELCh	42, 1.804, 109.885
Yxy	12.4209, 0.3168, 0.3358
Android (android.graphics.Color)	4284703584 (0xFF636360)
YUV	98.6580, -1.3104, 0.2999
Hunter-Lab	35.2433, -2.3225, 3.0591

Details

The XYZ color **11.7188, 12.4209, 12.8462** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2594, 11.7538, 13.4803**, and the grayscale version is **11.7771, 12.3904, 13.4932**.

A 20% lighter version of the original color is **28.6723, 30.3720, 31.5453**, and **3.3170, 3.5334, 3.5248** is the 20% darker color. If you saturate the color by 10%, you get **11.2909, 12.2501, 10.5948**, and if you desaturate by 10%, it is **12.2048, 12.6158, 15.4006**.

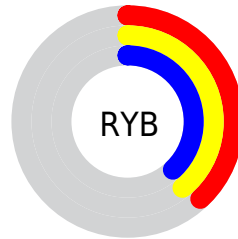
Distribution



Red (39%)

Green (39%)

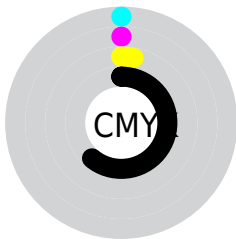
Blue (38%)



Red (38%)

Yellow (39%)

Blue (38%)

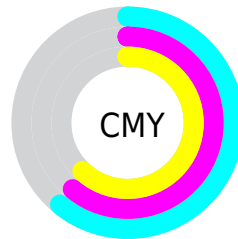


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (61%)



Cyan (61%)

Magenta (61%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7188, 12.4209, 12.8462 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 11.7188, 12.4209, 12.8462 by changing the saturation by 10% instead.

■ 11.7188, 12.4209,
12.8462

■ 11.7188, 12.4209,
12.8462

196.3429,
207.1722, 221.1027

■ 6.6233, 7.0310,
7.1932

■ 28.6032, 30.2594,
31.7143

■ 3.2719, 3.4815,
3.5030

■ 41.1229, 43.4768,
45.7666

■ 1.2991, 1.3880,
1.3568

■ 56.8480, 60.0722,
63.4557

■ 0.1826, 0.2078,
0.1077

■ 76.1440, 80.4299,
85.2001

■ 0.0000, 0.0000,
0.0000

99.3761, 104.9343,
111.4185

126.9097,

133.9700, 142.5294

159.1101,
167.9211, 178.9513

■ 11.7188, 12.4209,
12.8462

■ 11.7188, 12.4209,
12.8462

■ 11.2909, 12.2501,
10.5948

■ 12.2048, 12.6158,
15.4006

■ 10.9180, 12.1008,
8.6343

■ 12.7499, 12.8339,
18.2677

■ 10.5981, 11.9728,
6.9532

■ 13.3564, 13.0766,
21.4580

■ 10.3288, 11.8650,
5.5386

■ 14.0261, 13.3445,
24.9810

■ 10.1076, 11.7764,
4.3771

■ 14.7607, 13.6384,
28.8461

■ 9.9316, 11.7060,
3.4535

■ 15.5619, 13.9590,
33.0620

■ 9.7976, 11.6523,
2.7515

■ 16.4315, 14.3069,
37.6375

■ 9.7022, 11.6141,
2.2525

■ 17.3708, 14.6827,
42.5806

■ 9.6398, 11.5890,
1.9269

■ 18.3815, 15.0870,
47.8995

Harmonies

Analogous

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



11.8507, 12.4209, 12.8150



11.7188, 12.4209, 12.8462



11.6109, 12.4209, 13.0572

Triad

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



11.7188, 12.4209, 12.8462



11.6415, 12.4209, 14.0929



12.0596, 12.4209, 13.6535

Complementary

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



11.7188, 12.4209, 12.8462



11.2594, 11.7538, 13.4803

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.



12.0026, 12.4209, 14.0023



11.7188, 12.4209, 12.8462



11.7608, 12.4209, 14.2592

Square

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



11.7188, 12.4209, 12.8462



11.5665, 12.4209, 13.7753



11.8930, 12.4209, 14.2257



12.0482, 12.4209, 13.2763

Rectangle

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



11.7188, 12.4209, 12.8462



11.5668, 12.4209, 13.2736



11.8930, 12.4209, 14.2257



12.0478, 12.4209, 13.7781

Sweetspot

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



11.7191, 12.4214, 12.8465



20.2615, 21.3709, 22.8720



11.4402, 11.8633, 12.7534



4.8178, 5.0804, 5.4458



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



11.7191, 12.4214, 12.8465



20.0184, 21.2736, 21.5937



11.5569, 12.3378, 12.8389



2.8093, 2.9877, 3.0162



12.5153, 15.0860, 2.2523



66.8567, 80.5914, 12.0320

Inverse Universe

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



11.2594, 11.7538, 13.4803



18.9554, 19.7299, 23.0592



11.4186, 11.8359, 13.4878



2.6489, 2.7548, 3.2374



2.9366, 1.1747, 15.4597



15.6854, 6.2744, 82.5890

Previews

White Background



This preview shows how the XYZ color 11.7188, 12.4209, 12.8462 looks on a white background.

Color Contrast Check

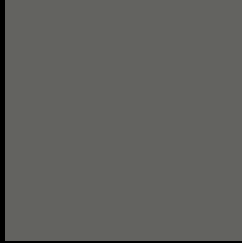
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7188, 12.4209, 12.8462 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

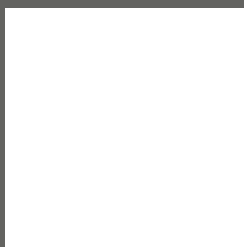
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7188, 12.4209, 12.8462

Background



This preview shows how black text looks on a background with the XYZ color 11.7188, 12.4209, 12.8462.



This preview shows how white text looks on a background with the XYZ color 11.7188, 12.4209,

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

11.7188, 12.4209, 12.8462

Protanopia

11.8458, 12.3466, 12.8251

Deuteranopia

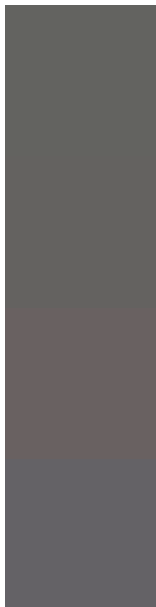
12.6472, 12.4800, 13.0516



Tritanopia

12.1730, 12.4646, 15.1289

Trichromacy



Original Color

11.7188, 12.4209, 12.8462

Protanomaly

11.7345, 12.2892, 12.8199

Deuteranomaly

12.2581, 12.4157, 13.0597

Tritanomaly

12.0215, 12.4040, 14.3310

Monochromacy



Original Color

11.7188, 12.4209, 12.8462

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8120, 12.4582, 13.3374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7188, 12.4209, 12.8462 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, 99, 96) looks like.

```
.text, #text, p{  
    color:rgb(99, 99, 96)  
}
```

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, 99, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 99, 96) }
```

Border

The CSS property to change the border of an element to XYZ 11.7188, 12.4209, 12.8462 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, 99, 96) }
```


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

```
.border{ border-color:rgb(99, 99, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 99, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 99, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 99, 96);  
box-shadow:4px 4px 4px 4px rgb(99, 99, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7188, 12.4209, 12.8462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 99, 96) }
```

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

```
.background{ background-color: rgb(99, 99,  
96) }
```

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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