

Converting Colors

XYZ(12.1828, 12.5563, 12.3935)

Have a look what the booklet for
XYZ(12.1828, 12.5563, 12.3935)
contains.

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Color

**XYZ(12.2138, 12.5468,
12.3677)**

Conversions

Conversions Part 1

Format	Color
Hex	69625E
RGB	105, 98, 94
RGB Percent	41%, 38%, 37%
CMY	0.5882, 0.6157, 0.6314
CMYK	0.00, 0.07, 0.10, 0.59
HSL	22°, 6%, 39%
HSV	22°, 10%, 41%
XYZ	12.2138, 12.5468, 12.3677
YIQ	99.6370, 5.4560, 0.2400

Conversions

Conversions Part 2

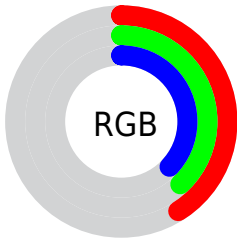
Format	Color
RYB	105, 100, 94
Decimal	6906462
CIELab	42.07, 2.00, 3.27
CIELCh	42, 3.831, 58.489
Yxy	12.5468, 0.3290, 0.3379
Android (android.graphics.Color)	4285096542 (0xFF69625E)
YUV	99.6370, -2.7790, 4.7034
Hunter-Lab	35.4215, -0.4383, 4.0934

Details

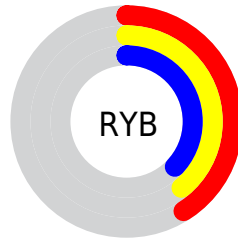
The XYZ color **12.2138, 12.5468, 12.3677** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8196, 12.7068, 15.1945**, and the grayscale version is **12.0269, 12.6533, 13.7794**.

A 20% lighter version of the original color is **29.4918, 30.5764, 30.7330**, and **3.5064, 3.5689, 3.3004** is the 20% darker color. If you saturate the color by 10%, you get **11.1753, 11.1731, 9.8529**, and if you desaturate by 10%, it is **13.3693, 14.0516, 15.2381**.

Distribution



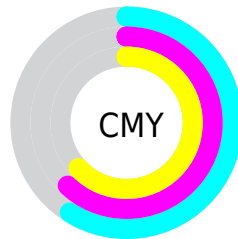
- Red (41%)
- Green (38%)
- Blue (37%)



- Red (41%)
- Yellow (39%)
- Blue (37%)



- Cyan (0%)
- Magenta (7%)
- Yellow (10%)
- Black (59%)



- Cyan (59%)
- Magenta (62%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2138, 12.5468, 12.3677 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 12.2138, 12.5468, 12.3677 by changing the saturation by 10% instead.

■ 12.2138, 12.5468,
12.3677

■ 12.2138, 12.5468,
12.3677

199.5567,
207.9924, 217.8882

■ 6.9627, 7.1172,
6.8690

■ 29.4974, 30.4872,
30.8374

■ 3.4849, 3.5355,
3.3031

■ 42.2606, 43.7667,
44.6455

■ 1.4151, 1.4173,
1.2514

■ 58.2585, 60.4317,
62.0606

■ 0.2669, 0.2294,
0.0215

■ 77.8566, 80.8666,
83.5010

■ 0.0000, 0.0000,
0.0000

101.4200,
105.4557, 109.3855

129.3143,

134.5834, 140.1325

161.9048,
168.6342, 176.1605

■ 12.2138, 12.5468,
12.3677

■ 12.2138, 12.5468,
12.3677

■ 11.1753, 11.1731,
9.8529

■ 13.3693, 14.0516,
15.2381

■ 10.2489, 9.9253,
7.6790

■ 14.6445, 15.6893,
18.4764

■ 9.4308, 8.8001,
5.8313

■ 16.0430, 17.4637,
22.0955

■ 8.7169, 7.7938,
4.2938

■ 17.5684, 19.3780,
26.1073

■ 8.1024, 6.9021,
3.0491

■ 19.2237, 21.4352,
30.5232

■ 7.5823, 6.1206,
2.0781

■ 21.0120, 23.6383,
35.3540

■ 7.1510, 5.4446,
1.3594

■ 22.9364, 25.9902,
40.6104

■ 6.8024, 4.8688,
0.8684

■ 24.9998, 28.4936,
46.3024

■ 6.5254, 4.4024,
0.5058

■ 27.2048, 31.1513,
52.4398

Harmonies

Analogous

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



12.4130, 12.5468, 12.9270



12.2138, 12.5468, 12.3677



11.9398, 12.5468, 12.1531

Triad

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



12.2138, 12.5468, 12.3677



11.3864, 12.5468, 13.6200



12.1884, 12.5468, 15.0863

Complementary

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



12.2138, 12.5468, 12.3677



11.8196, 12.7068, 15.1945

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.



11.9109, 12.5468, 15.2895



12.2138, 12.5468, 12.3677



11.4506, 12.5468, 14.4230

Square

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



12.2138, 12.5468, 12.3677



11.4647, 12.5468, 12.8581



11.6415, 12.5468, 15.0422



12.3982, 12.5468, 14.4973

Rectangle

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



12.2138, 12.5468, 12.3677



11.7526, 12.5468, 12.2276



11.6415, 12.5468, 15.0422



12.0998, 12.5468, 15.2030

Sweetspot

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



12.2141, 12.5474, 12.3680



23.3787, 24.4350, 25.8812



12.1849, 11.9514, 14.0153



5.4428, 5.6802, 5.9786



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.2141, 12.5474, 12.3680



21.3104, 21.7305, 20.7766



12.7314, 13.5819, 12.5404



3.1816, 3.2804, 3.2829



8.2286, 5.5070, 0.6293



41.1640, 26.5317, 2.9515

Inverse Universe

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



11.8196, 12.7068, 15.1945



20.4251, 22.0880, 27.1179



11.3171, 11.7018, 15.0270



3.0938, 3.3158, 3.9118



5.7192, 6.2727, 17.8316



28.2954, 30.2693, 90.5774

Previews

White Background



This preview shows how the XYZ color 12.2138, 12.5468, 12.3677 looks on a white background.

Color Contrast Check

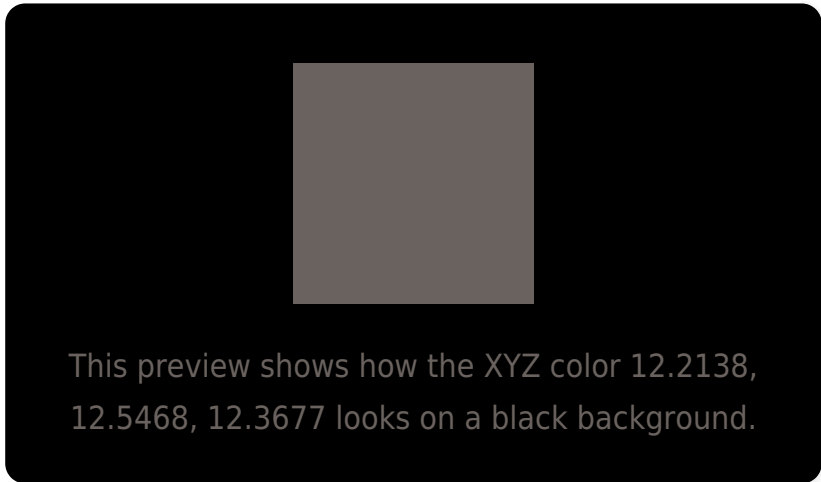
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

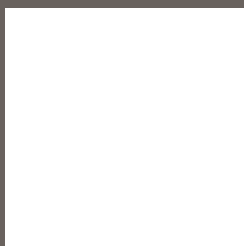
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2138, 12.5468, 12.3677

Background



This preview shows how black text looks on a background with the XYZ color 12.2138, 12.5468, 12.3677.



This preview shows how white text looks on a background with the XYZ color 12.2138, 12.5468,

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

12.2138, 12.5468, 12.3677

Protanopia

11.9617, 12.5566, 12.3829

Deuteranopia

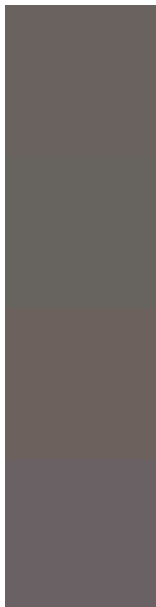
12.7588, 12.5534, 12.3403



Tritanopia

12.6254, 12.4294, 14.8304

Trichromacy



Original Color

12.2138, 12.5468, 12.3677

Protanomaly

12.0757, 12.6154, 12.3882

Deuteranomaly

12.6017, 12.6088, 12.3592

Tritanomaly

12.5188, 12.5337, 13.8160

Monochromacy



Original Color

12.2138, 12.5468, 12.3677

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1459, 12.6303, 13.3530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2138, 12.5468, 12.3677 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(105, 98, 94) looks like.

```
.text, #text, p{  
    color:rgb(105, 98, 94)  
}
```

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(105, 98, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 98, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.2138, 12.5468, 12.3677 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(105, 98, 94) }
```


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

```
.border{ border-color:rgb(105, 98, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 98, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 98, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 98, 94);  
box-shadow:4px 4px 4px 4px rgb(105, 98,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2138, 12.5468, 12.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 98, 94) }
```

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

```
.background{ background-color: rgb(105, 98,  
94) }
```

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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