

Converting Colors

XYZ(12.0715, 12.2863, 13.9299)

Have a look what the booklet for
XYZ(12.0715, 12.2863, 13.9299)
contains.

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Color

**XYZ(12.1031, 12.3138,
14.0508)**

Conversions

Conversions Part 1

Format	Color
Hex	666165
RGB	102, 97, 101
RGB Percent	40%, 38%, 40%
CMY	0.6000, 0.6196, 0.6039
CMYK	0.00, 0.05, 0.01, 0.60
HSL	312°, 3%, 39%
HSV	312°, 5%, 40%
XYZ	12.1031, 12.3138, 14.0508
YIQ	98.9510, 1.6960, 2.3040

Conversions

Conversions Part 2

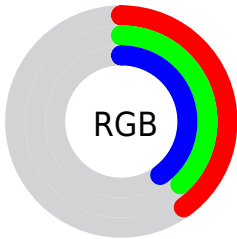
Format	Color
R_{YB}	102, 97, 101
Decimal	6709605
CIE _{Lab}	41.71, 2.80, -1.57
CIE _{LCh}	42, 3.205, 330.749
Yxy	12.3138, 0.3146, 0.3201
Android (android.graphics.Color)	4284899685 (0xFF666165)
YUV	98.9510, 1.0102, 2.6740
Hunter-Lab	35.0910, 0.1564, 0.8234

Details

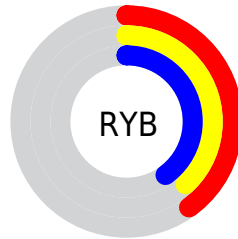
The XYZ color **12.1031, 12.3138, 14.0508** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8862, 12.9262, 13.4244**, and the grayscale version is **11.8449, 12.4618, 13.5709**.

A 20% lighter version of the original color is **29.3943, 30.2191, 33.9894**, and **3.4252, 3.4462, 3.9747** is the 20% darker color. If you saturate the color by 10%, you get **11.1220, 10.5094, 13.2369**, and if you desaturate by 10%, it is **13.2086, 14.3626, 14.9187**.

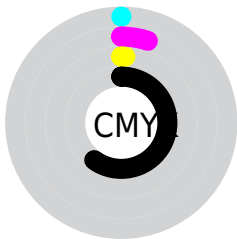
Distribution



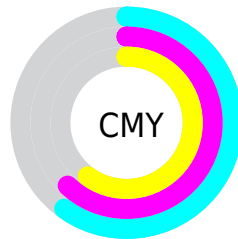
- Red (40%)
- Green (38%)
- Blue (40%)



- Red (40%)
- Yellow (38%)
- Blue (40%)



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (60%)



- Cyan (60%)
- Magenta (62%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1031, 12.3138, 14.0508 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 12.1031, 12.3138, 14.0508 by changing the saturation by 10% instead.

■ 12.1031, 12.3138,
14.0508

■ 12.1031, 12.3138,
14.0508

198.8426,
206.4718, 228.9860

■ 6.8866, 6.9578,
8.0169

■ 29.2980, 30.0654,
33.8976

■ 3.4370, 3.4357,
4.0178

■ 42.0071, 43.2297,
48.5475

■ 1.3888, 1.3632,
1.6351

■ 57.9445, 59.7655,
66.9064

■ 0.2483, 0.1894,
0.3157

■ 77.4754, 80.0573,
89.3930

■ 0.0000, 0.0000,
0.0000

100.9654,
104.4894, 116.4257

128.7797,

133.4463, 148.4231

161.2836,
167.3123, 185.8037

■ 12.1031, 12.3138,
14.0508

■ 12.1031, 12.3138,
14.0508

■ 11.1220, 10.5094,
13.2369

■ 13.2086, 14.3626,
14.9187

■ 10.2597, 8.9388,
12.4746

■ 14.4418, 16.6631,
15.8413

■ 9.5115, 7.5925,
11.7624

■ 15.8071, 19.2238,
16.8205

■ 8.8723, 6.4604,
11.0985

■ 17.3086, 22.0528,
17.8575

■ 8.3364, 5.5309,
10.4810

■ 18.9501, 25.1576,
18.9537

7.8976, 4.7919,
9.9076

20.7351, 28.5455,
20.1105

7.5491, 4.2297,
9.3760

22.6672, 32.2233,
21.3290

7.2832, 3.8288,
8.8835

24.7498, 36.1979,
22.6105

7.0835, 3.5568,
8.4247

26.9861, 40.4758,
23.9562

Harmonies

Analogous

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



11.9367, 12.3138, 14.5523



12.1031, 12.3138, 14.0508



12.1622, 12.3138, 13.3907

Triad

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



12.1031, 12.3138, 14.0508



11.6980, 12.3138, 12.1533



11.3194, 12.3138, 14.0811

Complementary

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



12.1031, 12.3138, 14.0508



11.8862, 12.9262, 13.4244

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.



11.2573, 12.3138, 13.4246



12.1031, 12.3138, 14.0508



11.4741, 12.3138, 12.3246

Square

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



12.1031, 12.3138, 14.0508



11.9264, 12.3138, 12.3086



11.3136, 12.3138, 12.7844



11.4842, 12.3138, 14.5702

Rectangle

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



12.1031, 12.3138, 14.0508



12.1321, 12.3138, 12.9538



11.3136, 12.3138, 12.7844



11.2859, 12.3138, 13.8720

Sweetspot

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



12.1035, 12.3143, 14.0511



21.9508, 22.9355, 25.2202



11.7015, 12.1014, 14.2894



5.1824, 5.4182, 5.9528



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



12.1035, 12.3143, 14.0511



20.9958, 21.1702, 24.4556



11.9868, 12.2677, 13.4369



2.9809, 3.0042, 3.4728



8.9605, 4.3972, 10.4565



46.4196, 22.8078, 52.8802

Inverse Universe

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



12.1035, 12.3143, 14.0511



20.9958, 21.1702, 24.4556



12.0020, 12.9725, 14.0342



2.9809, 3.0042, 3.4728



8.9605, 4.3972, 10.4565



46.4196, 22.8078, 52.8802

Previews

White Background



This preview shows how the XYZ color 12.1031, 12.3138, 14.0508 looks on a white background.

Color Contrast Check

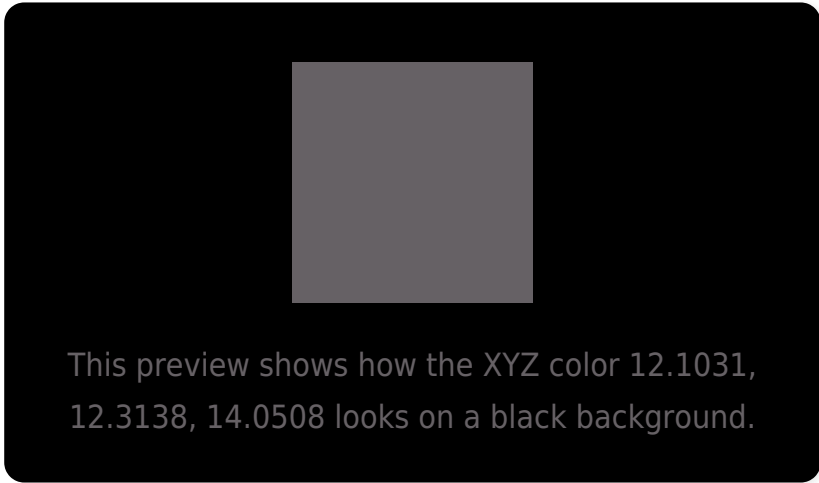
Large Text (above 18pt) WCAG AA ✓ Pass

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

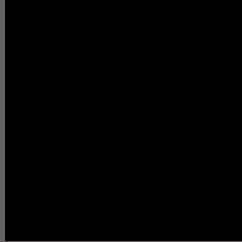
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1031, 12.3138, 14.0508

Background



This preview shows how black text looks on a background with the XYZ color 12.1031, 12.3138, 14.0508.



This preview shows how white text looks on a background with the XYZ color 12.1031, 12.3138,

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

12.1031, 12.3138, 14.0508

Protanopia

11.9115, 12.3473, 14.3258

Deuteranopia

12.5046, 12.2498, 14.0173



Tritanopia

12.2529, 12.3736, 14.8393

Trichromacy

**Original Color**

12.1031, 12.3138, 14.0508

Protanomaly

12.0215, 12.4040, 14.3310

Deuteranomaly

12.3575, 12.3086, 14.0364

Tritanomaly

12.2024, 12.3534, 14.5733

Monochromacy

**Original Color**

12.1031, 12.3138, 14.0508

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9235, 12.3648, 13.8148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1031, 12.3138, 14.0508 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(102, 97, 101)` looks like.

```
.text, #text, p{  
    color:rgb(102, 97, 101)  
}
```

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(102, 97, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 97, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.1031, 12.3138, 14.0508 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(102, 97, 101) }
```


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

```
.border{ border-color:rgb(102, 97, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 97, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 97, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 97, 101);  
box-shadow:4px 4px 4px 4px rgb(102, 97,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1031, 12.3138, 14.0508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 97, 101) }
```

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

```
.background{ background-color: rgb(102, 97,  
101) }
```

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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