

Converting Colors

XYZ(1.2119, 0.9732, 1.1660)

Have a look what the booklet for
XYZ(1.2119, 0.9732, 1.1660)
contains.

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Color

XYZ(1.2109, 0.9728, 1.1608)

Conversions

Conversions Part 1	
Format	Color
Hex	25141B
RGB	37, 20, 27
RGB Percent	15%, 8%, 11%
CMY	0.8549, 0.9216, 0.8941
CMYK	0.00, 0.46, 0.27, 0.85
HSL	335°, 30%, 11%
HSV	335°, 46%, 15%
XYZ	1.2109, 0.9728, 1.1608
YIQ	25.8810, 7.8850, 5.7810

Conversions

Conversions Part 2

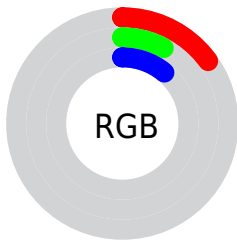
Format	Color
RYB	37, 20, 27
Decimal	2429979
CIELab	8.76, 10.04, -1.32
CIELCh	9, 10.128, 352.492
Yxy	0.9728, 0.3621, 0.2909
Android (android.graphics.Color)	4280620059 (0xFF25141B)
YUV	25.8810, 0.5517, 9.7514
Hunter-Lab	9.8631, 4.6543, -0.0738

Details

The XYZ color **1.2109, 0.9728, 1.1608** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **1.1845, 1.5655, 1.4682**, and the grayscale version is **0.9743, 1.0250, 1.1163**.

A 20% lighter version of the original color is **6.3078, 5.6813, 6.5585**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **1.1263, 0.8423, 1.0129**, and if you desaturate by 10%, it is **1.3074, 1.1240, 1.3219**.

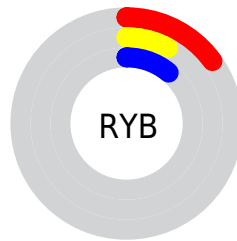
Distribution



Red (15%)

Green (8%)

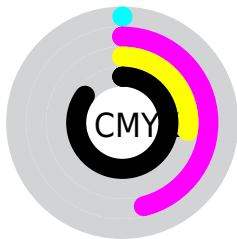
Blue (11%)



Red (15%)

Yellow (8%)

Blue (11%)

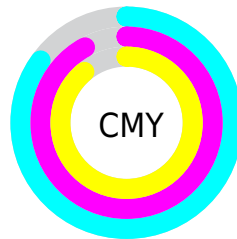


Cyan (0%)

Magenta (46%)

Yellow (27%)

Black (85%)



Cyan (85%)


Magenta (92%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 1.2109, 0.9728, 1.1608 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 1.2109, 0.9728, 1.1608 by changing the saturation by 10% instead.

 1.2109, 0.9728,
1.1608


 1.2109, 0.9728,
1.1608


 97.7577, 96.8343,
107.5659


 0.1149, 0.0000,
0.0000


 6.3594, 5.7461,
6.5840

 0.0000, 0.0000,
0.0000

 11.3318, 10.5216,
11.9448


 18.3901, 17.4021,
19.6297


 27.8997, 26.7721,
30.0574


 40.2259, 39.0159,
43.6463


 55.7340, 54.5179,


60.8150


 74.7895, 73.6626,
81.9820


 1.2109, 0.9728,
1.1608


 1.2109, 0.9728,
1.1608


 1.1263, 0.8423,
1.0129


 1.3074, 1.1240,
1.3219


 1.0529, 0.7316,
0.8778


 1.4161, 1.2966,
1.4965


 0.9900, 0.6388,
0.7550

 1.5376, 1.4914,
1.6849

 0.9310, 0.5509,
0.6421

 1.6721, 1.7094,
1.8875

 0.8736, 0.4637,
0.5382

 1.8202, 1.9511,
2.1045

■ 0.8508, 0.4284,
0.4984

■ 1.9821, 2.2172,
2.3364

■ 2.1582, 2.5085,
2.5832

■ 2.3490, 2.8256,
2.8455

■ 2.5547, 3.1691,
3.1233

Harmonies

Analogous

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



1.1495, 0.9728, 1.5877



1.2109, 0.9728, 1.1608



1.1898, 0.9728, 0.7854

Triad

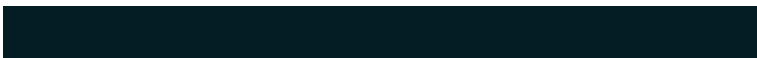
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



1.2109, 0.9728, 1.1608



0.8275, 0.9728, 0.4020



0.7715, 0.9728, 1.7768

Complementary

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



1.2109, 0.9728, 1.1608



1.1845, 1.5655, 1.4682

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.



0.6936, 0.9728, 1.3746



1.2109, 0.9728, 1.1608



0.7259, 0.9728, 0.6251

Square

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



1.2109, 0.9728, 1.1608



0.9594, 0.9728, 0.3542



0.6769, 0.9728, 0.9637



0.8906, 0.9728, 1.9962

Rectangle

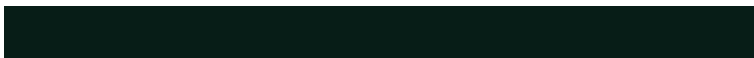
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



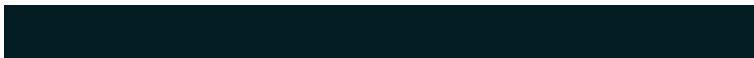
1.2109, 0.9728, 1.1608



1.1326, 0.9728, 0.5779



0.6769, 0.9728, 0.9637



0.7397, 0.9728, 1.6544

Sweetspot

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



1.2109, 0.9728, 1.1608



2.5198, 2.4571, 2.7698



1.1171, 0.9088, 1.8667



0.8387, 0.8172, 0.9215



30.2779, 31.8547, 34.6897



0.9527, 1.0023, 1.0915

Same Dimension

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



1.2109, 0.9728, 1.1608



1.7947, 1.3142, 1.5812



1.1651, 0.9957, 0.7928



0.5325, 0.5395, 0.5982



3.7278, 1.8891, 1.6507



28.0055, 14.2430, 10.0929

Inverse Universe

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



1.2109, 0.9728, 1.1608



1.7947, 1.3142, 1.5812



1.2408, 1.5189, 1.9779



0.5325, 0.5395, 0.5982



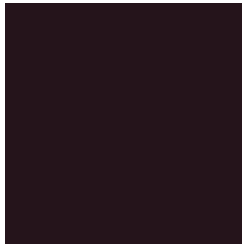
3.7278, 1.8891, 1.6507



28.0055, 14.2430, 10.0929

Previews

White Background



This preview shows how the XYZ color 1.2109, 0.9728, 1.1608 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



This preview shows how the XYZ color 1.2109, 0.9728, 1.1608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

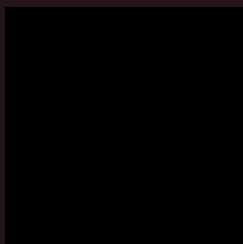
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 1.2109, 0.9728, 1.1608

Background



This preview shows how black text looks on a background with the XYZ color 1.2109, 0.9728, 1.1608.



This preview shows how white text looks on a background with the XYZ color 1.2109, 0.9728, 1.1608.

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

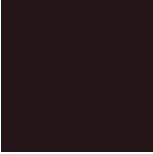
1.2109, 0.9728, 1.1608

Protanopia

0.9587, 0.9832, 1.3675

Deuteranopia

1.0130, 1.0167, 1.1201



Tritanopia

1.1759, 0.9876, 0.8877

Trichromacy



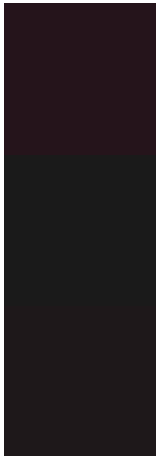
Original Color
1.2109, 0.9728, 1.1608

Protanomaly
1.0349, 0.9627, 1.2937

Deuteranomaly
1.0579, 0.9787, 1.1104

Tritanomaly
1.1960, 0.9956, 0.9933

Monochromacy



Original Color
1.2109, 0.9728, 1.1608

Achromatopsia
0.9818, 1.0330, 1.1249

Achromatomaly
1.0485, 1.0039, 1.1158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.2109, 0.9728, 1.1608 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(37, 20, 27)` looks like.

```
.text, #text, p{  
    color:rgb(37, 20, 27)  
}
```

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(37, 20, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 20, 27) }
```

Border

The CSS property to change the border of an element to XYZ 1.2109, 0.9728, 1.1608 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(37, 20, 27) }
```

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

```
.border{ border-color:rgb(37, 20, 27) }
```

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

Here you see how a box with a 4 pixel rgb(37, 20, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 20, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 20, 27);  
box-shadow:4px 4px 4px 4px rgb(37, 20, 27)  
}
```


Background

The CSS property to change the background color of an element to XYZ 1.2109, 0.9728, 1.1608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 20, 27) }
```

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

```
.background{ background-color: rgb(37, 20,  
27) }
```

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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