

Converting Colors

XYZ(12.2988, 12.0042, 14.8491)

Have a look what the booklet for
XYZ(12.2988, 12.0042, 14.8491)
contains.

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Color

**XYZ(12.3271, 12.0081,
14.7648)**

Conversions

Conversions Part 1

Format	Color
Hex	695E68
RGB	105, 94, 104
RGB Percent	41%, 37%, 41%
CMY	0.5882, 0.6314, 0.5922
CMYK	0.00, 0.10, 0.01, 0.59
HSL	305°, 6%, 39%
HSV	305°, 10%, 41%
XYZ	12.3271, 12.0081, 14.7648
YIQ	98.4290, 3.3460, 5.4420

Conversions

Conversions Part 2

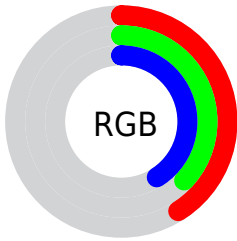
Format	Color
R _Y B	105, 94, 104
Decimal	6905448
CIE Lab	41.23, 6.41, -4.08
CIE LCh	41, 7.603, 327.541
Yxy	12.0081, 0.3153, 0.3071
Android (android.graphics.Color)	4285095528 (0xFF695E68)
YUV	98.4290, 2.7465, 5.7628
Hunter-Lab	34.6527, 2.8560, -1.0053

Details

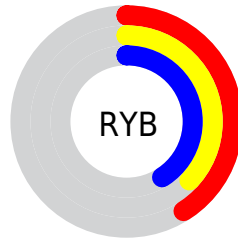
The XYZ color **12.3271, 12.0081, 14.7648** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7337, 13.3094, 12.7776**, and the grayscale version is **11.7095, 12.3193, 13.4157**.

A 20% lighter version of the original color is **29.6000, 29.3810, 35.1214**, and **3.5404, 3.3089, 4.3230** is the 20% darker color. If you saturate the color by 10%, you get **11.4081, 10.2471, 14.2206**, and if you desaturate by 10%, it is **13.3744, 14.0244, 15.3547**.

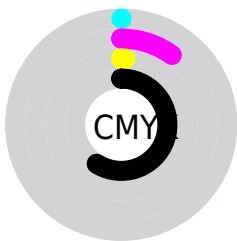
Distribution



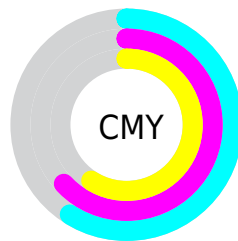
- Red (41%)
- Green (37%)
- Blue (41%)



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



- Cyan (0%)
- Magenta (10%)
- Yellow (1%)
- Black (59%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3271, 12.0081, 14.7648 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 12.3271, 12.0081, 14.7648 by changing the saturation by 10% instead.

■ 12.3271, 12.0081,
14.7648

■ 12.3271, 12.0081,
14.7648

200.2849,
204.4589, 233.5297

■ 7.0406, 6.7492,
8.5097

■ 29.7012, 29.5099,
35.1765

■ 3.5341, 3.3057,
4.3304

■ 42.5195, 42.5215,
50.1702

■ 1.4421, 1.2934,
1.8083

■ 58.5792, 58.8862,
68.9138

■ 0.2859, 0.1361,
0.4334

■ 78.2455, 78.9883,
91.8258

■ 0.0000, 0.0000,
0.0000

101.8839,
103.2122, 119.3249

129.8597,

131.9424, 151.8296

162.5383,
165.5631, 189.7583

■ 12.3271, 12.0081,
14.7648

■ 12.3271, 12.0081,
14.7648

■ 11.4081, 10.2471,
14.2206

■ 13.3744, 14.0244,
15.3547

■ 10.6113, 8.7298,
13.7197

■ 14.5537, 16.3041,
15.9913

■ 9.9315, 7.4457,
13.2605

■ 15.8700, 18.8568,
16.6762

■ 9.3629, 6.3831,
12.8411

■ 17.3276, 21.6913,
17.4109

■ 8.8992, 5.5293,
12.4593

■ 18.9306, 24.8157,
18.1969

8.5333, 4.8703,
12.1128

20.6831, 28.2382,
19.0354

8.2574, 4.3905,
11.7989

22.5888, 31.9662,
19.9278

8.0624, 4.0716,
11.5146

24.6515, 36.0072,
20.8753

7.9120, 3.8378,
11.2581

26.8746, 40.3683,
21.8790

Harmonies

Analogous

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



11.9083, 12.0081, 15.9418



12.3271, 12.0081, 14.7648



12.5004, 12.0081, 13.2049

Triad

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



12.3271, 12.0081, 14.7648



11.4587, 12.0081, 10.2818



10.5030, 12.0081, 14.5226

Complementary

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



12.3271, 12.0081, 14.7648



11.7337, 13.3094, 12.7776

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.



10.3912, 12.0081, 12.9455



12.3271, 12.0081, 14.7648



10.9323, 12.0081, 10.5739

Square

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



12.3271, 12.0081, 14.7648



11.9891, 12.0081, 10.6869



10.5459, 12.0081, 11.5189



10.8563, 12.0081, 15.7942

Rectangle

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



12.3271, 12.0081, 14.7648



12.4494, 12.0081, 12.1849



10.5459, 12.0081, 11.5189



10.4364, 12.0081, 14.0069

Sweetspot

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



12.3274, 12.0086, 14.7651



23.4360, 24.1245, 27.2103



11.2636, 11.4543, 14.9821



5.4592, 5.5921, 6.3569



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.



12.3274, 12.0086, 14.7651



21.5730, 20.5420, 26.1473



12.0611, 11.9021, 13.3623



3.2063, 3.1594, 3.8166



10.0110, 4.8565, 14.2183



50.8432, 24.6792, 71.5683

Inverse Universe

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



12.3274, 12.0086, 14.7651



21.5730, 20.5420, 26.1473



11.9886, 13.4114, 14.1198



3.2063, 3.1594, 3.8166



10.0110, 4.8565, 14.2183



50.8432, 24.6792, 71.5683

Previews

White Background



This preview shows how the XYZ color 12.3271, 12.0081, 14.7648 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 12.3271, 12.0081, 14.7648 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 12.3271, 12.0081, 14.7648

Background



This preview shows how black text looks on a background with the XYZ color 12.3271, 12.0081, 14.7648.



This preview shows how white text looks on a background with the XYZ color 12.3271, 12.0081,

14.7648.

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

12.3271, 12.0081, 14.7648

Protanopia

11.8060, 12.1314, 15.3550

Deuteranopia

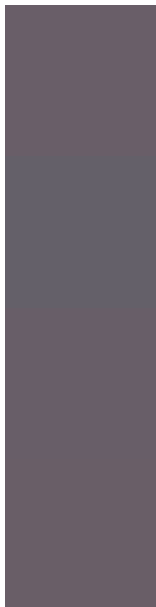
12.2103, 11.9479, 14.7593



Tritanopia

12.2267, 11.9680, 14.2360

Trichromacy



Original Color

12.3271, 12.0081, 14.7648

Protanomaly

11.9882, 12.0950, 15.0673

Deuteranomaly

12.2103, 11.9479, 14.7593

Tritanomaly

12.2766, 11.9879, 14.4988

Monochromacy



Original Color

12.3271, 12.0081, 14.7648

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9418, 12.2362, 13.7890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3271, 12.0081, 14.7648 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, 94, 104)` looks like.

```
.text, #text, p{  
    color:rgb(105, 94, 104)  
}
```

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, 94, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 94, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.3271, 12.0081, 14.7648 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, 94, 104) }
```


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

```
.border{ border-color:rgb(105, 94, 104) }
```

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

Here you see how a box with a 4 pixel rgb(105, 94, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 94, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 94, 104);  
box-shadow:4px 4px 4px 4px rgb(105, 94,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3271, 12.0081, 14.7648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 94, 104) }
```

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

```
.background{ background-color: rgb(105, 94,  
104) }
```

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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