

Converting Colors

XYZ(11.9371, 12.0745, 14.7982)

Have a look what the booklet for
XYZ(11.9371, 12.0745, 14.7982)
contains.

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Color

**XYZ(11.9371, 12.0745,
14.7982)**

Conversions

Conversions Part 1

Format	Color
Hex	646068
RGB	100, 96, 104
RGB Percent	39%, 38%, 41%
CMY	0.6078, 0.6235, 0.5922
CMYK	0.04, 0.08, 0.00, 0.59
HSL	270°, 4%, 39%
HSV	270°, 8%, 41%
XYZ	11.9371, 12.0745, 14.7982
YIQ	98.1080, -0.1840, 3.3360

Conversions

Conversions Part 2

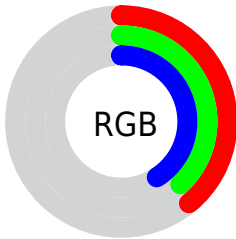
Format	Color
R_{YB}	100, 96, 104
Decimal	6578280
CIE Lab	41.33, 3.26, -3.98
CIE LCh	41, 5.144, 309.376
Yxy	12.0745, 0.3076, 0.3111
Android (android.graphics.Color)	4284768360 (0xFF646068)
YUV	98.1080, 2.9048, 1.6593
Hunter-Lab	34.7484, 0.5104, -0.9258

Details

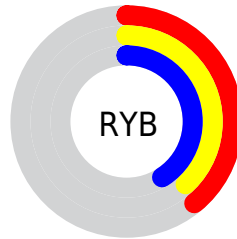
The XYZ color **11.9371, 12.0745, 14.7982** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3176, 13.4548, 13.0147**, and the grayscale version is **11.6296, 12.2353, 13.3242**.

A 20% lighter version of the original color is **28.9578, 29.5036, 35.1789**, and **3.3473, 3.3335, 4.3379** is the 20% darker color. If you saturate the color by 10%, you get **10.4935, 10.0139, 14.4767**, and if you desaturate by 10%, it is **13.5437, 14.4061, 15.1638**.

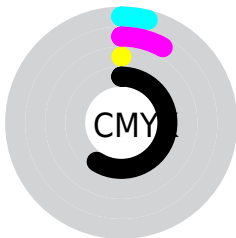
Distribution



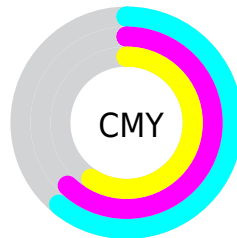
- Red (39%)
- Green (38%)
- Blue (41%)



- Red (39%)
- Yellow (38%)
- Blue (41%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (59%)



- Cyan (61%)
- Magenta (62%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9371, 12.0745, 14.7982 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 11.9371, 12.0745, 14.7982 by changing the saturation by 10% instead.

■ 11.9371, 12.0745,
14.7982

■ 11.9371, 12.0745,
14.7982

197.7669,
204.8979, 233.7401

■ 6.7728, 6.7944,
8.5328

■ 28.9983, 29.6307,
35.2361

■ 3.3655, 3.3339,
4.3451

■ 41.6260, 42.6757,
50.2456

■ 1.3498, 1.3084,
1.8165

■ 57.4720, 59.0777,
69.0070

■ 0.2201, 0.1477,
0.4388

■ 76.9019, 79.2212,
91.9387

■ 0.0000, 0.0000,
0.0000

100.2810,
103.4906, 119.4594

127.9746,

132.2702, 151.9874

160.3481,
165.9445, 189.9415

■ 11.9371, 12.0745,
14.7982

■ 11.9371, 12.0745,
14.7982

■ 10.4935, 10.0139,
14.4767

■ 13.5437, 14.4061,
15.1638

■ 9.2062, 8.2127,
14.1969

■ 15.3176, 17.0169,
15.5742

■ 8.0697, 6.6607,
13.9572

■ 17.2640, 19.9164,
16.0313

■ 7.0777, 5.3462,
13.7558

■ 19.3879, 23.1133,
16.5364

■ 6.2234, 4.2568,
13.5906

■ 21.6938, 26.6160,
17.0909

■ 5.4994, 3.3787,
13.4592

■ 24.1862, 30.4324,
17.6962

■ 4.8974, 2.6969,
13.3593

■ 26.8693, 34.5703,
18.3535

■ 4.4082, 2.1938,
13.2880

■ 29.7473, 39.0370,
19.0640

■ 4.0033, 1.8138,
13.2360

■ 32.8242, 43.8397,
19.8288

Harmonies

Analogous

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



11.5936, 12.0745, 15.2777



11.9371, 12.0745, 14.7982



12.1603, 12.0745, 13.8833

Triad

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



11.9371, 12.0745, 14.7982



11.7307, 12.0745, 11.3183



10.7838, 12.0745, 13.4843

Complementary

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



11.9371, 12.0745, 14.7982



12.3176, 13.4548, 13.0147

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.



10.8187, 12.0745, 12.4373



11.9371, 12.0745, 14.7982



11.3601, 12.0745, 11.2243

Square

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



11.9371, 12.0745, 14.7982



12.0394, 12.0745, 11.8876



11.0278, 12.0745, 11.6236



10.9314, 12.0745, 14.4925

Rectangle

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



11.9371, 12.0745, 14.7982



12.2080, 12.0745, 13.1695



11.0278, 12.0745, 11.6236



10.7747, 12.0745, 13.1247

Sweetspot

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



11.9375, 12.0750, 14.7985



22.4952, 23.4293, 26.3138



11.8929, 12.6266, 14.9073



5.5001, 5.7333, 6.4226



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.



11.9375, 12.0750, 14.7985



20.5286, 20.5885, 25.8691



12.3754, 12.3008, 14.8190



2.8109, 2.8246, 3.5290



4.7886, 2.1128, 16.2998



23.9656, 10.4990, 84.9648

Inverse Universe

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



12.1924, 12.2294, 13.7750



21.0641, 20.9127, 23.7192



11.9000, 13.2395, 12.9951



2.8812, 2.8671, 3.2468



7.7855, 3.9271, 4.2685



40.1634, 20.3054, 19.9357

Previews

White Background



This preview shows how the XYZ color 11.9371, 12.0745, 14.7982 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 11.9371, 12.0745, 14.7982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

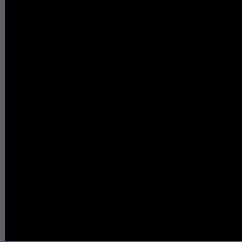
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9371, 12.0745, 14.7982

Background



This preview shows how black text looks on a background with the XYZ color 11.9371, 12.0745, 14.7982.



This preview shows how white text looks on a background with the XYZ color 11.9371, 12.0745,

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

11.9371, 12.0745, 14.7982

Protanopia

11.7543, 12.1107, 15.0827

Deuteranopia

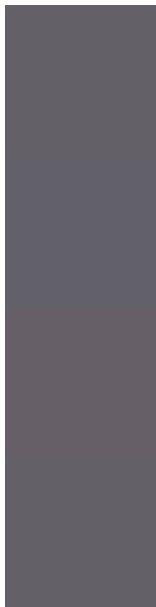
12.2998, 12.1270, 14.7892



Tritanopia

11.9371, 12.0745, 14.7982

Trichromacy



Original Color

11.9371, 12.0745, 14.7982

Protanomaly

11.8615, 12.1660, 15.0877

Deuteranomaly

12.1844, 12.0675, 14.7838

Tritanomaly

11.9371, 12.0745, 14.7982

Monochromacy



Original Color

11.9371, 12.0745, 14.7982

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7205, 12.1221, 13.7787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9371, 12.0745, 14.7982 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(100, 96, 104)` looks like.

```
.text, #text, p{  
    color:rgb(100, 96, 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(100, 96, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 96, 104) }
```

Border

The CSS property to change the border of an element to XYZ 11.9371, 12.0745, 14.7982 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(100, 96, 104) }
```


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

```
.border{ border-color:rgb(100, 96, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 96, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 96, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 96, 104);  
box-shadow:4px 4px 4px 4px rgb(100, 96,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9371, 12.0745, 14.7982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 96, 104) }
```

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

```
.background{ background-color: rgb(100, 96,  
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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