

Converting Colors

XYZ(12.4660, 13.1084, 14.8294)

Have a look what the booklet for
XYZ(12.4660, 13.1084, 14.8294)
contains.

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Color

**XYZ(12.3574, 12.9960,
14.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	646567
RGB	100, 101, 103
RGB Percent	39%, 40%, 40%
CMY	0.6078, 0.6039, 0.5961
CMYK	0.03, 0.02, 0.00, 0.60
HSL	220°, 1%, 40%
HSV	220°, 3%, 40%
XYZ	12.3574, 12.9960, 14.6891
YIQ	100.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

Format	Color
R_{YB}	100, 101, 103
Decimal	6579559
CIE Lab	42.76, 0.03, -1.27
CIE LCh	43, 1.270, 271.570
Yxy	12.9960, 0.3086, 0.3246
Android (android.graphics.Color)	4284769639 (0xFF646567)
YUV	100.9290, 1.0210, -0.8147
Hunter-Lab	36.0500, -1.9003, 1.0764

Details

The XYZ color **12.3574, 12.9960, 14.6891** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6451, 13.3062, 13.9586**, and the grayscale version is **12.3493, 12.9925, 14.1488**.

A 20% lighter version of the original color is **29.8235, 31.3689, 35.0548**, and **3.5012, 3.6807, 4.2673** is the 20% darker color. If you saturate the color by 10%, you get **10.6511, 11.1689, 14.4266**, and if you desaturate by 10%, it is **14.2641, 15.0097, 14.9775**.

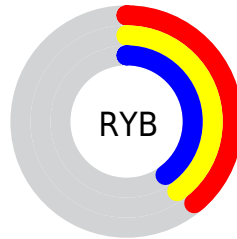
Distribution



Red (39%)

Green (40%)

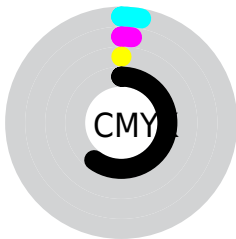
Blue (40%)



Red (39%)

Yellow (40%)

Blue (40%)

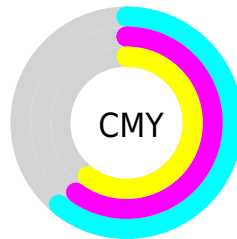


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (60%)



Cyan (61%)

Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3574, 12.9960, 14.6891 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 12.3574, 12.9960, 14.6891 by changing the saturation by 10% instead.

■ 12.3574, 12.9960,
14.6891

■ 12.3574, 12.9960,
14.6891

200.4792,
210.8920, 233.0522

■ 7.0615, 7.4258,
8.4573

■ 29.7556, 31.2966,
35.0414

■ 3.5473, 3.7298,
4.2970

■ 42.5887, 44.7958,
49.9990

■ 1.4493, 1.5236,
1.7896

■ 58.6648, 61.7067,
68.7022

■ 0.2910, 0.3052,
0.4211

■ 78.3494, 82.4139,
91.5696

■ 0.0000, 0.0000,
0.0000

102.0077,
107.3016, 119.0198

130.0052,

136.7542, 151.4713

162.7073,
171.1563, 189.3426

■ 12.3574, 12.9960,
14.6891

■ 12.3574, 12.9960,
14.6891

■ 10.6511, 11.1689,
14.4266

■ 14.2641, 15.0097,
14.9775

■ 9.1373, 9.5213,
14.1883

■ 16.3766, 17.2135,
15.2915

■ 7.8095, 8.0479,
13.9739

■ 18.7011, 19.6130,
15.6322

■ 6.6599, 6.7427,
13.7826

■ 21.2436, 22.2131,
16.0000

■ 5.6806, 5.5993,
13.6135

■ 24.0097, 25.0183,
16.3957

■ 4.8628, 4.6108,
13.4658

■ 27.0048, 28.0332,
16.8198

■ 4.1969, 3.7698,
13.3386

■ 30.2340, 31.2621,
17.2728

■ 3.6723, 3.0681,
13.2308

■ 33.7025, 34.7092,
17.7554

■ 3.2740, 2.4951,
13.1412

■ 37.4150, 38.3786,
18.2680

Harmonies

Analogous

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



12.2641, 12.9960, 14.6236



12.3574, 12.9960, 14.6891



12.4498, 12.9960, 14.6087

Triad

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



12.3574, 12.9960, 14.6891



12.5113, 12.9960, 13.8736



12.1896, 12.9960, 13.8986

Complementary

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



12.3574, 12.9960, 14.6891



12.6451, 13.3062, 13.9586

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.



12.2553, 12.9960, 13.7019



12.3574, 12.9960, 14.6891



12.4410, 12.9960, 13.6876

Square

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



12.3574, 12.9960, 14.6891



12.5390, 12.9960, 14.1359



12.3472, 12.9960, 13.6251



12.1675, 12.9960, 14.1650

Rectangle

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



12.3574, 12.9960, 14.6891



12.4984, 12.9960, 14.4838



12.3472, 12.9960, 13.6251



12.2073, 12.9960, 13.8222

Sweetspot

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



12.3578, 12.9966, 14.6894



22.7429, 23.9247, 26.3963



12.5017, 13.3683, 14.4790



5.5556, 5.8443, 6.4411



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.



12.3578, 12.9966, 14.6894



22.0710, 23.2112, 26.2940



12.3110, 12.8289, 14.6595



2.9876, 3.1417, 3.5809



3.7839, 2.6396, 16.4544



19.0013, 12.2992, 85.5739

Inverse Universe

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



12.4999, 12.9377, 14.1511



22.3407, 23.0999, 25.2728



12.6927, 13.4778, 13.9893



3.0299, 3.1243, 3.4206



7.3926, 3.7700, 2.2000



38.1861, 19.5144, 9.5235

Previews

White Background



This preview shows how the XYZ color 12.3574, 12.9960, 14.6891 looks on a white background.

Color Contrast Check

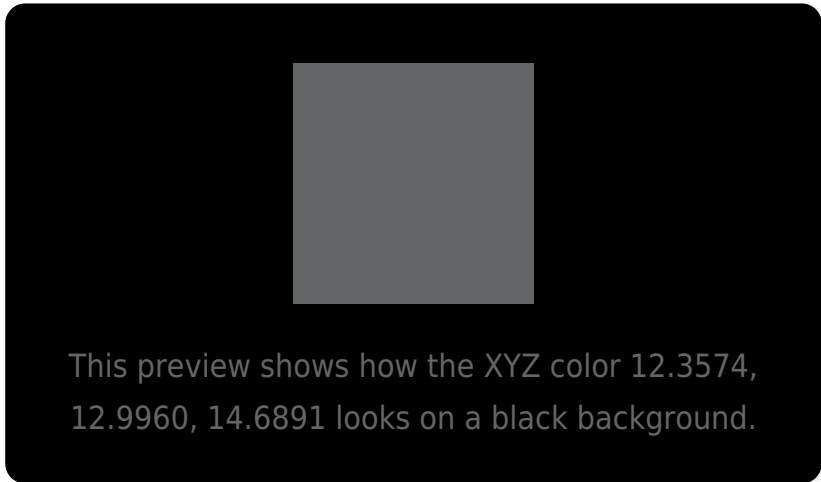
Large Text (above 18pt) WCAG AA ✓ Pass

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

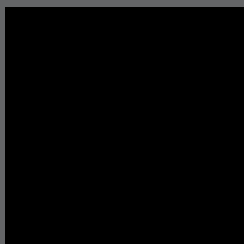
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

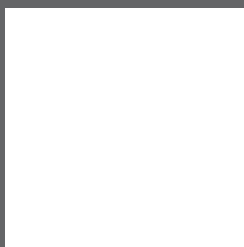
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3574, 12.9960, 14.6891

Background



This preview shows how black text looks on a background with the XYZ color 12.3574, 12.9960, 14.6891.



This preview shows how white text looks on a background with the XYZ color 12.3574, 12.9960,

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

12.3574, 12.9960, 14.6891

Protanopia

12.4848, 12.9184, 14.6674

Deuteranopia

13.1730, 12.9861, 14.9090



Tritanopia

12.6308, 12.9638, 16.0239

Trichromacy



Original Color

12.3574, 12.9960, 14.6891

Protanomaly

12.3722, 12.8603, 14.6622

Deuteranomaly

12.9044, 12.9873, 14.9234

Tritanomaly

12.5255, 12.9217, 15.4696

Monochromacy



Original Color

12.3574, 12.9960, 14.6891

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4188, 13.0334, 14.4315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3574, 12.9960, 14.6891 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, 101, 103)` looks like.

```
.text, #text, p{  
    color:rgb(100, 101, 103)  
}
```

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, 101, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 101, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.3574, 12.9960, 14.6891 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, 101, 103) }
```


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

```
.border{ border-color:rgb(100, 101, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 101, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 101, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 101, 103);  
box-shadow:4px 4px 4px 4px rgb(100, 101,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3574, 12.9960, 14.6891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 101, 103) }
```

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

```
.background{ background-color: rgb(100,  
101, 103) }
```

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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