

Converting Colors

XYZ(12.6139, 13.0331, 14.8509)

Have a look what the booklet for
XYZ(12.6139, 13.0331, 14.8509)
contains.

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Color

**XYZ(12.6494, 12.9974,
14.9388)**

Conversions

Conversions Part 1

Format	Color
Hex	676468
RGB	103, 100, 104
RGB Percent	40%, 39%, 41%
CMY	0.5961, 0.6078, 0.5922
CMYK	0.01, 0.04, 0.00, 0.59
HSL	285°, 2%, 40%
HSV	285°, 4%, 41%
XYZ	12.6494, 12.9974, 14.9388
YIQ	101.3530, 0.5040, 1.8800

Conversions

Conversions Part 2

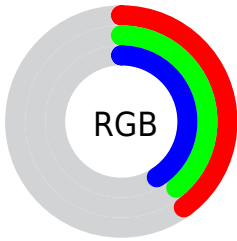
Format	Color
R_{YB}	103, 100, 104
Decimal	6775912
CIE _{Lab}	42.76, 2.01, -1.84
CIE _{LCh}	43, 2.724, 317.402
Yxy	12.9974, 0.3117, 0.3202
Android (android.graphics.Color)	4284965992 (0xFF676468)
YUV	101.3530, 1.3050, 1.4444
Hunter-Lab	36.0519, -0.4612, 0.6684

Details

The XYZ color **12.6494, 12.9974, 14.9388** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6179, 13.5878, 14.0149**, and the grayscale version is **12.4579, 13.1067, 14.2732**.

A 20% lighter version of the original color is **30.3094, 31.3698, 35.4678**, and **3.6425, 3.6824, 4.3897** is the 20% darker color. If you saturate the color by 10%, you get **11.4213, 10.9771, 14.6138**, and if you desaturate by 10%, it is **14.0149, 15.2783, 15.3073**.

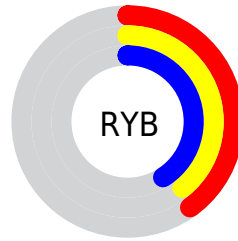
Distribution



Red (40%)

Green (39%)

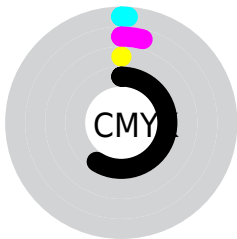
Blue (41%)



Red (40%)

Yellow (39%)

Blue (41%)

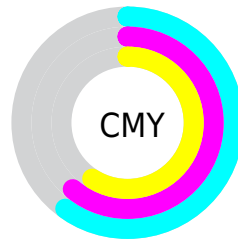


Cyan (1%)

Magenta (4%)

Yellow (0%)

Black (59%)



Cyan (60%)

Magenta (61%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6494, 12.9974, 14.9388 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 12.6494, 12.9974, 14.9388 by changing the saturation by 10% instead.

■ 12.6494, 12.9974,
14.9388

■ 12.6494, 12.9974,
14.9388

202.3417,
210.9010, 234.6235

■ 7.2629, 7.4268,
8.6303

■ 30.2792, 31.2991,
35.4866

■ 3.6748, 3.7304,
4.4073

■ 43.2531, 44.7990,
50.5629

■ 1.5199, 1.5239,
1.8514

■ 59.4870, 61.7107,
69.3989

■ 0.3393, 0.3055,
0.4615

■ 79.3461, 82.4187,
92.4132

■ 0.0000, 0.0000,
0.0000

103.1957,
107.3073, 120.0243

131.4013,

136.7610, 152.6506

164.3282,
171.1641, 190.7109

■ 12.6494, 12.9974,
14.9388

■ 12.6494, 12.9974,
14.9388

■ 11.4213, 10.9771,
14.6138

■ 14.0149, 15.2783,
15.3073

■ 10.3246, 9.2062,
14.3297

■ 15.5213, 17.8273,
15.7199

■ 9.3545, 7.6749,
14.0853

■ 17.1734, 20.6535,
16.1783

■ 8.5055, 6.3724,
13.8787

■ 18.9752, 23.7653,
16.6840

■ 7.7716, 5.2869,
13.7078

■ 20.9310, 27.1705,
17.2382

7.1464, 4.4056,
13.5706

23.0444, 30.8768,
17.8422

6.6227, 3.7142,
13.4648

25.3193, 34.8914,
18.4972

6.1923, 3.1966,
13.3876

27.7592, 39.2215,
19.2044

5.8418, 2.8261,
13.3345

30.3677, 43.8739,
19.9649

Harmonies

Analogous

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



12.4732, 12.9974, 15.2695



12.6494, 12.9974, 14.9388



12.7468, 12.9974, 14.4024

Triad

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



12.6494, 12.9974, 14.9388



12.4408, 12.9974, 13.0668



11.9772, 12.9974, 14.4961

Complementary

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



12.6494, 12.9974, 14.9388



12.6179, 13.5878, 14.0149

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.



11.9687, 12.9974, 13.9044



12.6494, 12.9974, 14.9388



12.2348, 12.9974, 13.0903

Square

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



12.6494, 12.9974, 14.9388



12.6254, 12.9974, 13.3281



12.0625, 12.9974, 13.3932



12.0858, 12.9974, 15.0091

Rectangle

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



12.6494, 12.9974, 14.9388



12.7532, 12.9974, 14.0054



12.0625, 12.9974, 13.3932



11.9625, 12.9974, 14.2996

Sweetspot

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



12.6498, 12.9980, 14.9391



22.8425, 23.8834, 26.3831



12.4149, 13.0297, 14.9576



5.5779, 5.8351, 6.4381



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.



12.6498, 12.9980, 14.9391



21.8998, 22.3185, 26.1307



12.7180, 13.0386, 14.6962



2.9790, 3.0321, 3.5602



6.9222, 3.2127, 16.3996



35.2747, 16.3290, 85.4940

Inverse Universe

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



12.6155, 12.9976, 14.1565



21.8211, 22.3182, 24.3060



12.5520, 13.5486, 14.2490



2.9679, 3.0321, 3.3021



7.2555, 3.7152, 1.4779



37.5352, 19.2541, 6.0959

Previews

White Background



This preview shows how the XYZ color 12.6494, 12.9974, 14.9388 looks on a white background.

Color Contrast Check

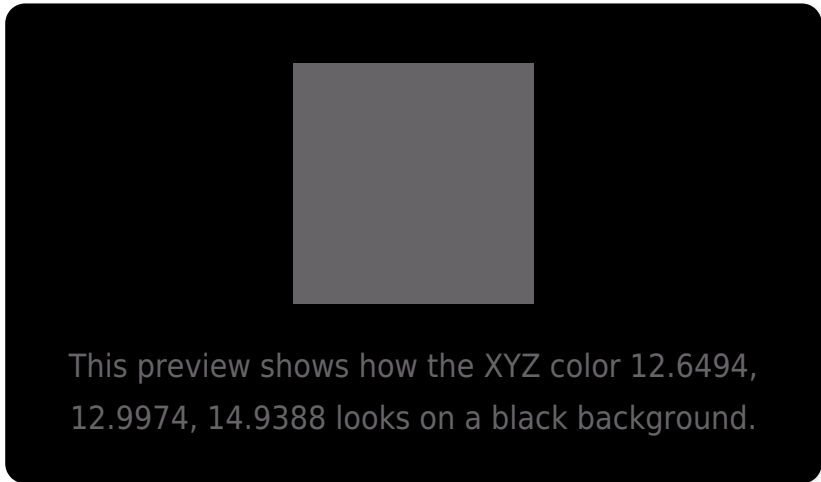
Large Text (above 18pt) WCAG AA ✓ Pass

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

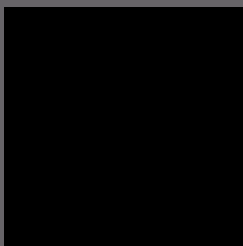
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

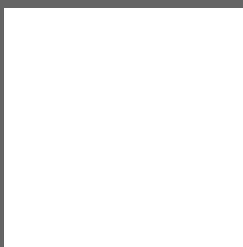
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6494, 12.9974, 14.9388

Background



This preview shows how black text looks on a background with the XYZ color 12.6494, 12.9974, 14.9388.



This preview shows how white text looks on a background with the XYZ color 12.6494, 12.9974,

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

12.6494, 12.9974, 14.9388

Protanopia

12.5354, 12.9386, 14.9334

Deuteranopia

13.1730, 12.9861, 14.9090



Tritanopia

12.8246, 12.9283, 15.7294

Trichromacy



Original Color

12.6494, 12.9974, 14.9388

Protanomaly

12.5354, 12.9386, 14.9334

Deuteranomaly

13.0239, 13.0490, 14.9290

Tritanomaly

12.7723, 12.9073, 15.4539

Monochromacy



Original Color

12.6494, 12.9974, 14.9388

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5314, 13.0915, 14.4368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6494, 12.9974, 14.9388 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(103, 100, 104)` looks like.

```
.text, #text, p{  
    color:rgb(103, 100, 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(103, 100, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 100, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.6494, 12.9974, 14.9388 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(103, 100, 104) }
```


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

```
.border{ border-color:rgb(103, 100, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 100, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 100, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 100, 104);  
box-shadow:4px 4px 4px 4px rgb(103, 100,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6494, 12.9974, 14.9388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 100, 104) }
```

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

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