

Converting Colors

XYZ(30.9187, 31.1744, 44.8399)

Have a look what the booklet for
XYZ(30.9187, 31.1744, 44.8399)
contains.

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Color

**XYZ(31.0386, 31.2974,
44.9625)**

Conversions

Conversions Part 1

Format	Color
Hex	9596AF
RGB	149, 150, 175
RGB Percent	58%, 59%, 69%
CMY	0.4157, 0.4118, 0.3137
CMYK	0.15, 0.14, 0.00, 0.31
HSL	238°, 14%, 64%
HSV	238°, 15%, 69%
XYZ	31.0386, 31.2974, 44.9625
YIQ	152.5510, -8.6210, 7.5630

Conversions

Conversions Part 2

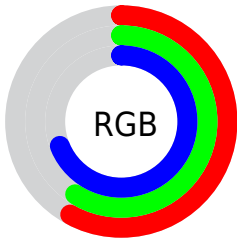
Format	Color
R_{YB}	149, 150, 175
Decimal	9803439
CIE _{Lab}	62.76, 4.84, -13.14
CIE _{LCh}	63, 14.008, 290.226
Yxy	31.2974, 0.2893, 0.2917
Android (android.graphics.Color)	4287993519 (0xFF9596AF)
YUV	152.5510, 11.0674, -3.1142
Hunter-Lab	55.9441, 1.1323, -8.4908

Details

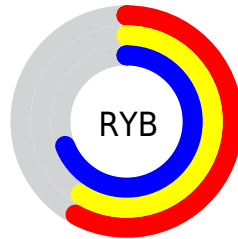
The XYZ color **31.0386, 31.2974, 44.9625** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.2402, 41.5557, 34.4400**, and the grayscale version is **30.0403, 31.6047, 34.4175**.

A 20% lighter version of the original color is **60.6453, 61.6518, 84.3049**, and **13.0740, 12.9504, 20.5495** is the 20% darker color. If you saturate the color by 10%, you get **25.5878, 24.7844, 43.9932**, and if you desaturate by 10%, it is **37.3566, 38.8313, 46.0842**.

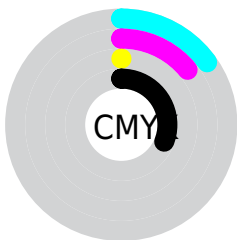
Distribution



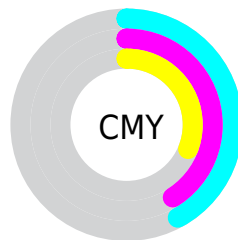
- Red (58%)
- Green (59%)
- Blue (69%)



- Red (58%)
- Yellow (59%)
- Blue (69%)



- Cyan (15%)
- Magenta (14%)
- Yellow (0%)
- Black (31%)



- Cyan (42%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0386, 31.2974, 44.9625 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 31.0386, 31.2974, 44.9625 by changing the saturation by 10% instead.

■ 31.0386, 31.2974,
44.9625

■ 31.0386, 31.2974,
44.9625

298.5398,
307.9061, 382.7774

■ 20.7802, 20.8254,
31.0852

■ 60.6763, 61.7080,
83.9820

■ 13.0750, 12.9964,
20.4047

■ 80.7863, 82.4154,
109.9612

■ 7.5576, 7.4261,
12.5026

104.9108,
107.3034, 140.8115

■ 3.8626, 3.7300,
6.9602

133.4153,
136.7564, 176.9513

■ 1.6247, 1.5237,
3.3592

166.6651,
171.1587, 218.7993

■ 0.4084, 0.3053,
1.2808

205.0256,

■ 0.0000, 0.0000,

210.8949, 266.7739

0.0460

248.8620,
256.3492, 321.2938

■ 0.0000, 0.0000,
0.0000

■ 31.0386, 31.2974,
44.9625

■ 31.0386, 31.2974,
44.9625

■ 25.5878, 24.7844,
43.9932

■ 37.3566, 38.8313,
46.0842

■ 20.9636, 19.2448,
43.1676

■ 44.5744, 47.4234,
47.3622

■ 17.1266, 14.6331,
42.4797

■ 52.7262, 57.1137,
48.8030

■ 14.0329, 10.8984,
41.9219

■ 61.8437, 67.9391,
50.4120

■ 11.6344, 7.9852,
41.4860

■ 71.9572, 79.9346,
52.1943

■ 9.8771, 5.8315,
41.1629

■ 83.0955, 93.1340,
54.1550

■ 8.6994, 4.3666,
40.9422

■ 84.7380, 95.8752,
54.5975

■ 8.0271, 3.5063,
40.8116

■ 7.8112, 3.2416,
40.7719

Harmonies

Analogous

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



29.1264, 31.2974, 45.5633



31.0386, 31.2974, 44.9625



32.6682, 31.2974, 41.2799

Triad

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



31.0386, 31.2974, 44.9625



32.1659, 31.2974, 26.5976



26.2638, 31.2974, 32.3183

Complementary

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



31.0386, 31.2974, 44.9625



38.2402, 41.5557, 34.4400

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.



27.0058, 31.2974, 27.7658



31.0386, 31.2974, 44.9625



30.3768, 31.2974, 24.7050

Square

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



31.0386, 31.2974, 44.9625



33.3382, 31.2974, 30.5599



28.4922, 31.2974, 25.1085



26.4239, 31.2974, 37.8552

Rectangle

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



31.0386, 31.2974, 44.9625



33.3489, 31.2974, 37.7715



28.4922, 31.2974, 25.1085



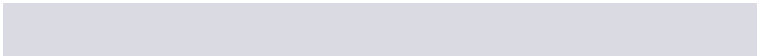
26.4147, 31.2974, 30.6326

Sweetspot

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



31.0396, 31.2987, 44.9632



67.8624, 70.6870, 82.7041



35.3357, 40.0943, 45.7683



14.8820, 15.4713, 18.3462



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.0396, 31.2987, 44.9632



52.0455, 51.8219, 79.8964



33.1234, 32.1366, 45.0151



7.6027, 7.8049, 10.0585



5.6043, 2.3424, 29.2013



0.1638, 0.0809, 0.8150

Inverse Universe

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



33.9324, 32.8115, 33.4005



58.2845, 55.0991, 54.9559



35.9211, 40.6486, 34.3871



8.0173, 8.0202, 8.4019



12.6924, 6.5395, 0.7598



0.3571, 0.1835, 0.0420

Previews

White Background



This preview shows how the XYZ color 31.0386, 31.2974, 44.9625 looks on a white background.

Color Contrast Check

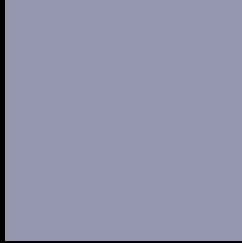
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.0386, 31.2974, 44.9625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

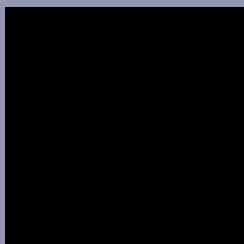
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0386, 31.2974, 44.9625

Background



This preview shows how black text looks on a background with the XYZ color 31.0386, 31.2974, 44.9625.



This preview shows how white text looks on a background with the XYZ color 31.0386, 31.2974,

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

31.0386, 31.2974, 44.9625

Protanopia

30.6768, 31.1109, 44.9456

Deuteranopia

31.8453, 31.2435, 44.9096



Tritanopia

29.9617, 31.3399, 39.5920

Trichromacy



Original Color

31.0386, 31.2974, 44.9625

Protanomaly

30.8570, 31.2037, 44.9540

Deuteranomaly

31.6222, 31.3623, 44.9443

Tritanomaly

30.3472, 31.2563, 41.4794

Monochromacy



Original Color

31.0386, 31.2974, 44.9625

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6102, 31.7051, 38.2246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0386, 31.2974, 44.9625 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(149, 150, 175)` looks like.

```
.text, #text, p{  
    color:rgb(149, 150, 175)  
}
```

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(149, 150, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 150, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.0386, 31.2974, 44.9625 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(149, 150, 175) }
```


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

```
.border{ border-color:rgb(149, 150, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 150, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 150, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 150, 175);  
box-shadow:4px 4px 4px 4px rgb(149, 150,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0386, 31.2974, 44.9625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 150, 175) }
```

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

```
.background{ background-color: rgb(149,  
150, 175) }
```

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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