

Converting Colors

XYZ(31.0397, 31.3511, 42.0844)

Have a look what the booklet for
XYZ(31.0397, 31.3511, 42.0844)
contains.

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Color

**XYZ(31.0167, 31.3527,
41.9530)**

Conversions

Conversions Part 1

Format	Color
Hex	9896A9
RGB	152, 150, 169
RGB Percent	60%, 59%, 66%
CMY	0.4039, 0.4118, 0.3373
CMYK	0.10, 0.11, 0.00, 0.34
HSL	246°, 10%, 63%
HSV	246°, 11%, 66%
XYZ	31.0167, 31.3527, 41.9530
YIQ	152.7640, -4.9070, 6.3330

Conversions

Conversions Part 2

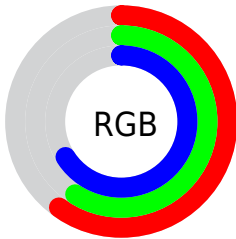
Format	Color
R_{YB}	152, 150, 169
Decimal	10000041
CIE Lab	62.80, 4.56, -9.66
CIE LCh	63, 10.687, 295.269
Yxy	31.3527, 0.2973, 0.3005
Android (android.graphics.Color)	4288190121 (0xFF9896A9)
YUV	152.7640, 8.0043, -0.6700
Hunter-Lab	55.9935, 0.8886, -5.2275

Details

The XYZ color **31.0167, 31.3527, 41.9530** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.6304, 38.7942, 34.4658**, and the grayscale version is **30.1444, 31.7142, 34.5368**.

A 20% lighter version of the original color is **60.5010, 61.6894, 79.2395**, and **13.0396, 12.9747, 18.6467** is the 20% darker color. If you saturate the color by 10%, you get **25.8599, 24.9762, 40.9945**, and if you desaturate by 10%, it is **36.9252, 38.6958, 43.0594**.

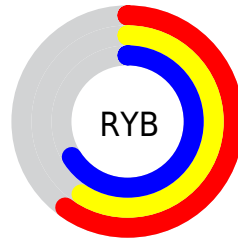
Distribution



Red (60%)

Green (59%)

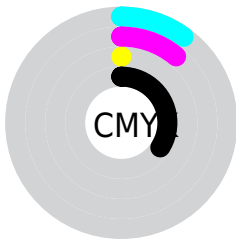
Blue (66%)



Red (60%)

Yellow (59%)

Blue (66%)

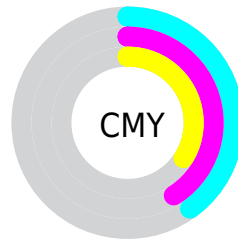


Cyan (10%)

Magenta (11%)

Yellow (0%)

Black (34%)



Cyan (40%)

Magenta (41%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0167, 31.3527, 41.9530 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 31.0167, 31.3527, 41.9530 by changing the saturation by 10% instead.

■ 31.0167, 31.3527,
41.9530

■ 31.0167, 31.3527,
41.9530

298.4408,
308.1599, 370.0820

■ 20.7635, 20.8676,
28.7392

■ 60.6420, 61.7949,
79.3978

■ 13.0627, 13.0272,
18.6397

■ 80.7448, 82.5208,
104.4659

■ 7.5490, 7.4473,
11.2361

104.8615,
107.4291, 134.3225

■ 3.8571, 3.7434,
6.1097

133.3574,
136.9041, 169.3861

■ 1.6216, 1.5311,
2.8420

166.5980,
171.3304, 210.0754

■ 0.4064, 0.3104,
1.0145

204.9485,

■ 0.0000, 0.0000,

211.0921, 256.8087

0.0000

248.7743,
256.5739, 310.0047

■ 31.0167, 31.3527,
41.9530

■ 31.0167, 31.3527,
41.9530

■ 25.8599, 24.9762,
40.9945

■ 36.9252, 38.6958,
43.0594

■ 21.4219, 19.5221,
40.1757

■ 43.6111, 47.0393,
44.3175

■ 17.6716, 14.9490,
39.4906

■ 51.1021, 56.4203,
45.7334

■ 14.5742, 11.2104,
38.9322

■ 59.4239, 66.8726,
47.3123

■ 12.0922, 8.2557,
38.4927

■ 68.6010, 78.4288,
49.0592

■ 10.1841, 6.0287,
38.1635

■ 78.6569, 91.1199,
50.9788

■ 8.8032, 4.4659,
37.9346

■ 84.1615, 95.6446,
51.5620

■ 7.8952, 3.4923,
37.7945

■ 7.4068, 2.9910,
37.7235

Harmonies

Analogous

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



29.5684, 31.3527, 42.8117



31.0167, 31.3527, 41.9530



32.1717, 31.3527, 38.9359

Triad

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



31.0167, 31.3527, 41.9530



31.4312, 31.3527, 27.9361



27.0836, 31.3527, 33.4777

Complementary

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



31.0167, 31.3527, 41.9530



35.6304, 38.7942, 34.4658

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.



27.5474, 31.3527, 29.7509



31.0167, 31.3527, 41.9530



30.0324, 31.3527, 26.7225

Square

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



31.0167, 31.3527, 41.9530



32.4165, 31.3527, 30.8132



28.6152, 31.3527, 27.3589



27.3279, 31.3527, 37.6932

Rectangle

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



31.0167, 31.3527, 41.9530



32.6037, 31.3527, 36.2274



28.6152, 31.3527, 27.3589



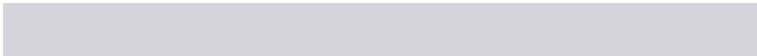
27.1614, 31.3527, 32.1301

Sweetspot

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



31.0176, 31.3540, 41.9537



64.1104, 66.7865, 76.7372



33.5771, 37.0235, 42.9131



13.7852, 14.3226, 16.6901



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.0176, 31.3540, 41.9537



53.6051, 53.7423, 74.7731



32.8475, 32.2974, 42.0393



7.2023, 7.3369, 9.4549



5.5435, 2.2412, 28.1159



0.1567, 0.0658, 0.6851

Inverse Universe

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



34.2446, 33.0391, 41.1330



60.3227, 57.2506, 73.0416



33.7159, 37.8073, 34.3762



7.8074, 7.6528, 9.3030



16.3832, 7.9620, 22.6273



0.4080, 0.1975, 0.5999

Previews

White Background



This preview shows how the XYZ color 31.0167, 31.3527, 41.9530 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 31.0167, 31.3527, 41.9530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

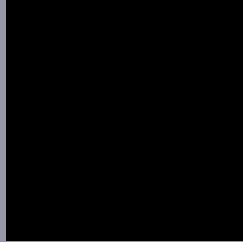
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0167, 31.3527, 41.9530

Background



This preview shows how black text looks on a background with the XYZ color 31.0167, 31.3527, 41.9530.



This preview shows how white text looks on a background with the XYZ color 31.0167, 31.3527,

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

31.0167, 31.3527, 41.9530

Protanopia

30.6225, 31.3874, 41.9805

Deuteranopia

31.8519, 31.3135, 41.9014



Tritanopia

30.4400, 31.3569, 39.0985

Trichromacy



Original Color

31.0167, 31.3527, 41.9530

Protanomaly

30.8057, 31.4818, 41.9891

Deuteranomaly

31.6192, 31.4274, 41.9357

Tritanomaly

30.6206, 31.4291, 40.0499

Monochromacy



Original Color

31.0167, 31.3527, 41.9530

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6231, 31.7320, 37.3118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0167, 31.3527, 41.9530 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(152, 150, 169)` looks like.

```
.text, #text, p{  
    color:rgb(152, 150, 169)  
}
```

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(152, 150, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 150, 169) }
```

Border

The CSS property to change the border of an element to XYZ 31.0167, 31.3527, 41.9530 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(152, 150, 169) }
```


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

```
.border{ border-color:rgb(152, 150, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 150, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 150, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 150, 169);  
box-shadow:4px 4px 4px 4px rgb(152, 150,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0167, 31.3527, 41.9530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 150, 169) }
```

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

```
.background{ background-color: rgb(152,  
150, 169) }
```

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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