

Converting Colors

XYZ(31.1565, 32.6297, 41.0392)

Have a look what the booklet for
XYZ(31.1565, 32.6297, 41.0392)
contains.

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Color

**XYZ(31.2741, 32.7167,
41.2259)**

Conversions

Conversions Part 1

Format	Color
Hex	969BA7
RGB	150, 155, 167
RGB Percent	59%, 61%, 65%
CMY	0.4118, 0.3921, 0.3451
CMYK	0.10, 0.07, 0.00, 0.35
HSL	222°, 9%, 62%
HSV	222°, 10%, 65%
XYZ	31.2741, 32.7167, 41.2259
YIQ	154.8730, -6.8320, 2.6720

Conversions

Conversions Part 2

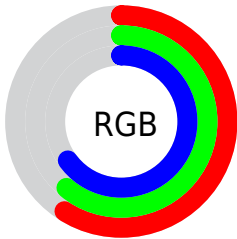
Format	Color
RYB	150, 154, 167
Decimal	9870247
CIELab	63.93, 0.66, -6.88
CIELCh	64, 6.908, 275.446
Yxy	32.7167, 0.2972, 0.3109
Android (android.graphics.Color)	4288060327 (0xFF969BA7)
YUV	154.8730, 5.9786, -4.2736
Hunter-Lab	57.1985, -2.5000, -2.6944

Details

The XYZ color **31.2741, 32.7167, 41.2259** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.3620, 36.2582, 34.0423**, and the grayscale version is **31.0769, 32.6953, 35.6052**.

A 20% lighter version of the original color is **60.8871, 63.7122, 78.1958**, and **13.1904, 13.7911, 18.1864** is the 20% darker color. If you saturate the color by 10%, you get **26.5508, 27.5113, 40.4706**, and if you desaturate by 10%, it is **36.6288, 38.5336, 42.0670**.

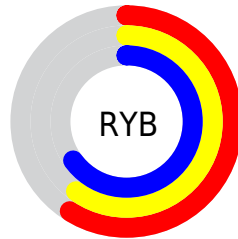
Distribution



Red (59%)

Green (61%)

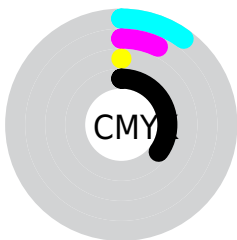
Blue (65%)



Red (59%)

Yellow (60%)

Blue (65%)

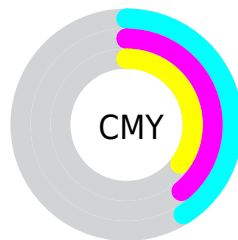


Cyan (10%)

Magenta (7%)

Yellow (0%)

Black (35%)



Cyan (41%)

Magenta (39%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2741, 32.7167, 41.2259 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 31.2741, 32.7167, 41.2259 by changing the saturation by 10% instead.

■ 31.2741, 32.7167,
41.2259

■ 31.2741, 32.7167,
41.2259

299.6035,
314.3712, 366.9684

■ 20.9605, 21.9095,
28.1746

■ 61.0443, 63.9330,
78.2841

■ 13.2074, 13.7904,
18.2171

■ 81.2316, 85.1108,
103.1281

■ 7.6495, 7.9750,
10.9349

105.4408,
110.5144, 132.7400

■ 3.9214, 4.0790,
5.9095

134.0373,
140.5280, 167.5385

■ 1.6578, 1.7178,
2.7222

167.3865,
175.5361, 207.9421

■ 0.4296, 0.4352,
0.9546

205.8537,

■ 0.0000, 0.0000,

215.9231, 254.3692

0.0000

249.8042,
262.0733, 307.2385

■ 31.2741, 32.7167,
41.2259

■ 31.2741, 32.7167,
41.2259

■ 26.5508, 27.5113,
40.4706

■ 36.6288, 38.5336,
42.0670

■ 22.4321, 22.8929,
39.7962

■ 42.6347, 44.9774,
42.9942

■ 18.8935, 18.8412,
39.2007

■ 49.3140, 52.0678,
44.0107

■ 15.9077, 15.3333,
38.6810

■ 56.6873, 59.8227,
45.1190

■ 13.4452, 12.3445,
38.2339

■ 64.7740, 68.2591,
46.3211

■ 11.4732, 9.8480,
37.8559

■ 73.5930, 77.3934,
47.6194

■ 9.9553, 7.8144,
37.5434

■ 78.6470, 84.9136,
48.8046

■ 8.8491, 6.2105,
37.2921

■ 82.1823, 91.9843,
49.9831

■ 8.0792, 4.9981,
37.0987

■ 83.9752, 95.5701,
50.5807

Harmonies

Analogous

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



30.3255, 32.7167, 40.7207



31.2741, 32.7167, 41.2259



32.1936, 32.7167, 40.1674

Triad

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



31.2741, 32.7167, 41.2259



32.6450, 32.7167, 32.6058



29.4258, 32.7167, 33.4430

Complementary

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



31.2741, 32.7167, 41.2259



34.3620, 36.2582, 34.0423

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.



30.0241, 32.7167, 31.4348



31.2741, 32.7167, 41.2259



31.8800, 32.7167, 30.9694

Square

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



31.2741, 32.7167, 41.2259



32.9956, 32.7167, 35.1169



30.9191, 32.7167, 30.5521



29.2712, 32.7167, 36.1338

Rectangle

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



31.2741, 32.7167, 41.2259



32.6623, 32.7167, 38.7483



30.9191, 32.7167, 30.5521



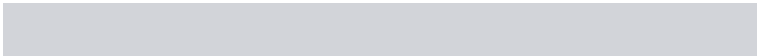
29.5811, 32.7167, 32.6703

Sweetspot

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



31.2751, 32.7181, 41.2266



62.7244, 65.9021, 74.8897



32.9097, 36.7272, 39.4910



13.8636, 14.5602, 16.7318



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.



31.2751, 32.7181, 41.2266



54.1964, 56.6074, 73.5451



31.0946, 31.4148, 40.9846



7.3050, 7.6469, 9.5093



6.2201, 3.9005, 28.4005



0.1950, 0.1822, 0.7055

Inverse Universe

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



32.7599, 32.3955, 35.5382



57.3536, 55.9571, 61.4419



34.5518, 37.6901, 34.3087



7.6185, 7.5773, 8.3085



12.6402, 6.4648, 2.9171



0.3296, 0.1661, 0.1870

Previews

White Background



This preview shows how the XYZ color 31.2741, 32.7167, 41.2259 looks on a white background.

Color Contrast Check

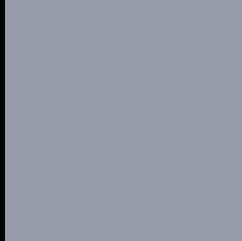
Large Text (above 18pt) WCAG AA × Fail

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 31.2741, 32.7167, 41.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

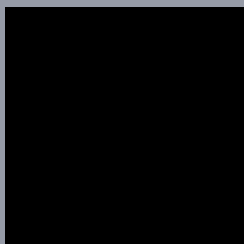
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

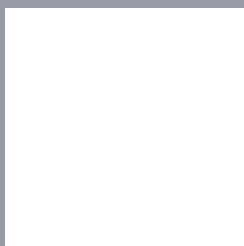
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2741, 32.7167, 41.2259

Background



This preview shows how black text looks on a background with the XYZ color 31.2741, 32.7167, 41.2259.

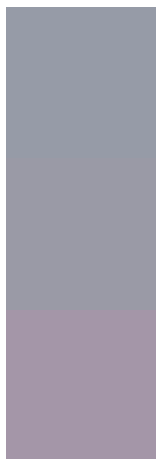


This preview shows how white text looks on a background with the XYZ color 31.2741, 32.7167,

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

31.2741, 32.7167, 41.2259

Protanopia

31.7650, 32.7344, 40.7206

Deuteranopia

33.2841, 32.5324, 41.5709



Tritanopia

31.2741, 32.7167, 41.2259

Trichromacy



Original Color

31.2741, 32.7167, 41.2259

Protanomaly

31.5754, 32.6367, 40.7117

Deuteranomaly

32.5942, 32.6546, 41.6308

Tritanomaly

31.2741, 32.7167, 41.2259

Monochromacy



Original Color

31.2741, 32.7167, 41.2259

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1162, 32.7182, 37.4761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2741, 32.7167, 41.2259 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(150, 155, 167)` looks like.

```
.text, #text, p{  
    color:rgb(150, 155, 167)  
}
```

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(150, 155, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 155, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.2741, 32.7167, 41.2259 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(150, 155, 167) }
```


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

```
.border{ border-color:rgb(150, 155, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 155, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 155, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 155, 167);  
box-shadow:4px 4px 4px 4px rgb(150, 155,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2741, 32.7167, 41.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 155, 167) }
```

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

```
.background{ background-color: rgb(150,  
155, 167) }
```

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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