

Converting Colors

XYZ(31.1867, 32.1894, 44.7287)

Have a look what the booklet for
XYZ(31.1867, 32.1894, 44.7287)
contains.

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Color

**XYZ(31.0638, 32.0415,
44.5918)**

Conversions

Conversions Part 1

Format	Color
Hex	9399AE
RGB	147, 153, 174
RGB Percent	58%, 60%, 68%
CMY	0.4235, 0.4000, 0.3176
CMYK	0.16, 0.12, 0.00, 0.32
HSL	227°, 14%, 63%
HSV	227°, 16%, 68%
XYZ	31.0638, 32.0415, 44.5918
YIQ	153.6000, -10.3170, 5.2590

Conversions

Conversions Part 2

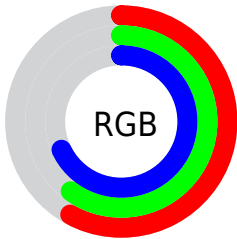
Format	Color
RYB	147, 152, 174
Decimal	9673134
CIELab	63.38, 2.27, -11.67
CIElCh	63, 11.884, 280.996
Yxy	32.0415, 0.2884, 0.2975
Android (android.graphics.Color)	4287863214 (0xFF9399AE)
YUV	153.6000, 10.0572, -5.7882
Hunter-Lab	56.6052, -1.1019, -7.0831

Details

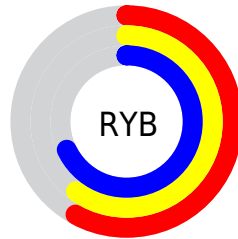
The XYZ color **31.0638, 32.0415, 44.5918** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7248, 39.1103, 33.2178**, and the grayscale version is **30.5014, 32.0898, 34.9458**.

A 20% lighter version of the original color is **60.5431, 62.7003, 83.0401**, and **13.0881, 13.3947, 20.3080** is the 20% darker color. If you saturate the color by 10%, you get **26.0860, 26.3725, 43.7604**, and if you desaturate by 10%, it is **36.7667, 38.4589, 45.5304**.

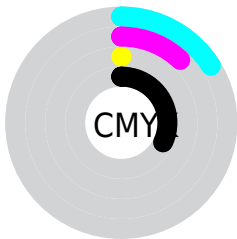
Distribution



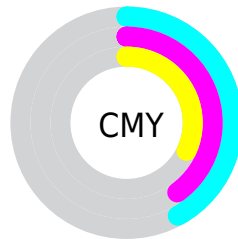
- Red (58%)
- Green (60%)
- Blue (68%)



- Red (58%)
- Yellow (60%)
- Blue (68%)



- Cyan (16%)
- Magenta (12%)
- Yellow (0%)
- Black (32%)



- Cyan (42%)
- Magenta (40%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0638, 32.0415, 44.5918 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 31.0638, 32.0415, 44.5918 by changing the saturation by 10% instead.

■ 31.0638, 32.0415,
44.5918

■ 31.0638, 32.0415,
44.5918

298.6538,
311.3083, 381.2296

■ 20.7995, 21.3932,
30.7954

■ 60.7157, 62.8761,
83.4195

■ 13.0891, 13.4117,
20.1860

■ 80.8339, 83.8313,
109.2878

■ 7.5674, 7.7127,
12.3449

104.9676,
108.9908, 140.0173

■ 3.8689, 3.9116,
6.8536

133.4819,
138.7391, 176.0264

■ 1.6282, 1.6243,
3.2937

166.7424,
173.4606, 217.7336

■ 0.4107, 0.3739,
1.2465

205.1143,

■ 0.0000, 0.0000,

213.5397, 265.5575

0.0173

248.9629,
259.3608, 319.9167

■ 0.0000, 0.0000,
0.0000

■ 31.0638, 32.0415,
44.5918

■ 31.0638, 32.0415,
44.5918

■ 26.0860, 26.3725,
43.7604

■ 36.7667, 38.4589,
45.5304

■ 21.8009, 21.4202,
43.0304

■ 43.2196, 45.6468,
46.5777

■ 18.1780, 17.1568,
42.3984

■ 50.4496, 53.6313,
47.7378

■ 15.1832, 13.5507,
41.8602

■ 58.4818, 62.4362,
49.0140

■ 12.7792, 10.5679,
41.4112

■ 67.3401, 72.0842,
50.4094

■ 10.9249, 8.1714,
41.0464

■ 77.0473, 82.5971,
51.9269

■ 9.5731, 6.3196,
40.7602

■ 82.3638, 91.2834,
53.3234

■ 8.6665, 4.9639,
40.5463

■ 84.6401, 95.8360,
54.0821

■ 8.3552, 4.4862,
40.4705

Harmonies

Analogous

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



29.4327, 32.0415, 44.2060



31.0638, 32.0415, 44.5918



32.5841, 32.0415, 42.2070

Triad

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



31.0638, 32.0415, 44.5918



32.9131, 32.0415, 29.2587



27.5514, 32.0415, 32.0110

Complementary

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



31.0638, 32.0415, 44.5918



36.7248, 39.1103, 33.2178

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.



28.4197, 32.0415, 28.4677



31.0638, 32.0415, 44.5918



31.4997, 32.0415, 26.9806

Square

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



31.0638, 32.0415, 44.5918



33.6772, 32.0415, 33.1828



29.8532, 32.0415, 26.7048



27.4442, 32.0415, 36.6501

Rectangle

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



31.0638, 32.0415, 44.5918



33.3152, 32.0415, 39.4828



29.8532, 32.0415, 26.7048



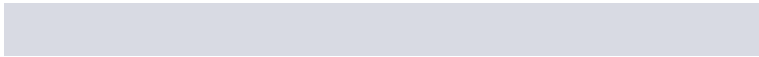
27.7624, 32.0415, 30.6638

Sweetspot

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



31.0648, 32.0428, 44.5925



67.1637, 70.2895, 82.6642



34.2092, 39.2917, 42.6810



14.7590, 15.4336, 18.3454



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.



31.0648, 32.0428, 44.5925



52.7465, 54.0364, 80.2869



31.4388, 30.8137, 44.3356



7.7179, 8.0353, 10.0969



6.0976, 3.3291, 29.3657



0.2095, 0.1724, 0.8302

Inverse Universe

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



33.6398, 32.1667, 34.5743



58.4399, 54.4018, 58.1158



36.2972, 40.5730, 33.5227



8.0754, 8.0434, 8.7081



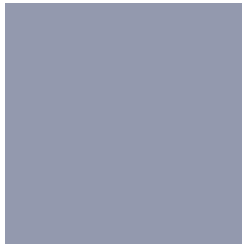
12.9414, 6.6391, 2.0712



0.3802, 0.1927, 0.1637

Previews

White Background



This preview shows how the XYZ color 31.0638, 32.0415, 44.5918 looks on a white background.

Color Contrast Check

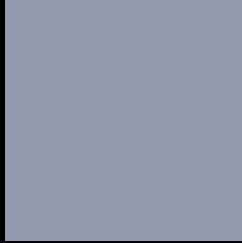
Large Text (above 18pt) WCAG AA × Fail

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 31.0638, 32.0415, 44.5918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

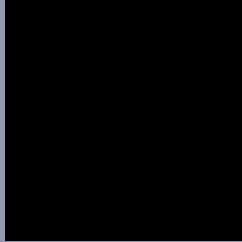
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0638, 32.0415, 44.5918

Background



This preview shows how black text looks on a background with the XYZ color 31.0638, 32.0415, 44.5918.



This preview shows how white text looks on a background with the XYZ color 31.0638, 32.0415,

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

31.0638, 32.0415, 44.5918

Protanopia

31.3487, 31.9576, 44.0513

Deuteranopia

32.5859, 31.8591, 44.9894



Tritanopia

30.2926, 31.9754, 40.6517

Trichromacy



Original Color

31.0638, 32.0415, 44.5918

Protanomaly

31.1655, 31.8632, 44.0428

Deuteranomaly

31.9706, 31.7779, 45.0061

Tritanomaly

30.5711, 32.0868, 42.1182

Monochromacy



Original Color

31.0638, 32.0415, 44.5918

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.7511, 32.2637, 38.3250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0638, 32.0415, 44.5918 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(147, 153, 174)` looks like.

```
.text, #text, p{  
    color:rgb(147, 153, 174)  
}
```

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(147, 153, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 153, 174) }
```

Border

The CSS property to change the border of an element to XYZ 31.0638, 32.0415, 44.5918 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(147, 153, 174) }
```


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

```
.border{ border-color:rgb(147, 153, 174) }
```

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

Here you see how a box with a 4 pixel rgb(147, 153, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 153, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 153, 174);  
box-shadow:4px 4px 4px 4px rgb(147, 153,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0638, 32.0415, 44.5918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 153, 174) }
```

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

```
.background{ background-color: rgb(147,  
153, 174) }
```

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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