

Converting Colors

XYZ(30.4404, 31.8312, 42.2376)

Have a look what the booklet for
XYZ(30.4404, 31.8312, 42.2376)
contains.

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Color

**XYZ(30.4067, 31.7580,
42.0634)**

Conversions

Conversions Part 1

Format	Color
Hex	9299A9
RGB	146, 153, 169
RGB Percent	57%, 60%, 66%
CMY	0.4274, 0.4000, 0.3373
CMYK	0.14, 0.09, 0.00, 0.34
HSL	222°, 12%, 62%
HSV	222°, 14%, 66%
XYZ	30.4067, 31.7580, 42.0634
YIQ	152.7310, -9.3080, 3.4920

Conversions

Conversions Part 2

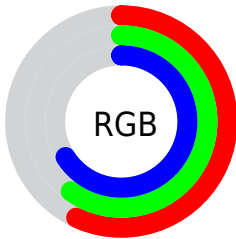
Format	Color
R_{YB}	146, 151, 169
Decimal	9607593
CIE Lab	63.14, 0.83, -9.21
CIE LCh	63, 9.247, 275.169
Yxy	31.7580, 0.2917, 0.3047
Android (android.graphics.Color)	4287797673 (0xFF9299A9)
YUV	152.7310, 8.0206, -5.9031
Hunter-Lab	56.3542, -2.3078, -4.8067

Details

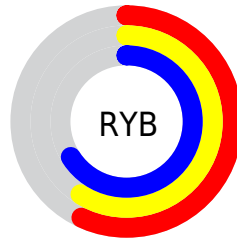
The XYZ color **30.4067, 31.7580, 42.0634** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.4710, 36.3508, 32.3944**, and the grayscale version is **30.1313, 31.7004, 34.5218**.

A 20% lighter version of the original color is **59.5868, 62.2868, 79.4030**, and **12.6816, 13.2200, 18.7129** is the 20% darker color. If you saturate the color by 10%, you get **25.7917, 26.6628, 41.3237**, and if you desaturate by 10%, it is **35.6573, 37.4640, 42.8885**.

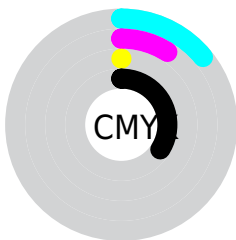
Distribution



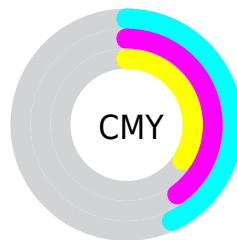
- Red (57%)
- Green (60%)
- Blue (66%)



- Red (57%)
- Yellow (59%)
- Blue (66%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)
- Black (34%)



- Cyan (43%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4067, 31.7580, 42.0634 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 30.4067, 31.7580, 42.0634 by changing the saturation by 10% instead.

■ 30.4067, 31.7580,
42.0634

■ 30.4067, 31.7580,
42.0634

295.6715,
310.0154, 370.5531

■ 20.2971, 21.1767,
28.8250

■ 59.6870, 62.4315,
79.5667

■ 12.7207, 13.2532,
18.7040

■ 79.5884, 83.2925,
104.6687

■ 7.3122, 7.6032,
11.2820

103.4844,
108.3490, 134.5622

■ 3.7061, 3.8421,
6.1403

131.7404,
137.9851, 169.6660

■ 1.5373, 1.5856,
2.8604

164.7218,
172.5855, 210.3984

■ 0.3510, 0.3479,
1.0238

202.7938,

■ 0.0000, 0.0000,

212.5343, 257.1780

0.0000

246.3220,
258.2162, 310.4234

■ 30.4067, 31.7580,
42.0634

■ 30.4067, 31.7580,
42.0634

■ 25.7917, 26.6628,
41.3237

■ 35.6573, 37.4640,
42.8885

■ 21.7847, 22.1533,
40.6645

■ 41.5640, 43.7966,
43.7995

■ 18.3598, 18.2089,
40.0836

■ 48.1501, 50.7761,
44.7996

■ 15.4887, 14.8059,
39.5781

■ 55.4368, 58.4205,
45.8910

■ 13.1400, 11.9187,
39.1446

■ 63.4442, 66.7473,
47.0762

■ 11.2793, 9.5196,
38.7796

■ 72.1918, 75.7731,
48.3574

■ 9.8676, 7.5779,
38.4792

■ 78.1927, 83.7069,
49.5725

■ 8.8590, 6.0585,
38.2391

■ 81.6758, 90.6731,
50.7335

■ 8.3651, 5.2718,
38.1133

■ 84.1615, 95.6446,
51.5621

Harmonies

Analogous

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



29.1659, 31.7580, 41.3593



30.4067, 31.7580, 42.0634



31.6210, 31.7580, 40.6498

Triad

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



30.4067, 31.7580, 42.0634



32.2363, 31.7580, 30.6860



28.0117, 31.7580, 31.7101

Complementary

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



30.4067, 31.7580, 42.0634



34.4710, 36.3508, 32.3944

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.



28.7932, 31.7580, 29.1450



30.4067, 31.7580, 42.0634



31.2276, 31.7580, 28.5835

Square

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



30.4067, 31.7580, 42.0634



32.6962, 31.7580, 33.9496



29.9644, 31.7580, 28.0397



27.8058, 31.7580, 35.2162

Rectangle

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



30.4067, 31.7580, 42.0634



32.2450, 31.7580, 38.7516



29.9644, 31.7580, 28.0397



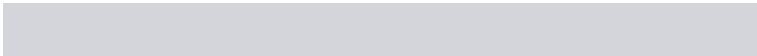
28.2147, 31.7580, 30.7173

Sweetspot

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



30.4076, 31.7593, 42.0641



63.3989, 66.5980, 76.7383



32.5390, 37.0860, 39.4944



13.6610, 14.3457, 16.7011



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.



30.4076, 31.7593, 42.0641



52.1351, 54.3296, 74.9639



30.0585, 29.9276, 41.7290



7.3111, 7.6592, 9.5114



6.2768, 4.0137, 28.4194



0.1973, 0.1868, 0.7063

Inverse Universe

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



32.3916, 31.2934, 34.4715



56.3267, 53.4111, 58.9076



34.8488, 38.4279, 32.7754



7.6216, 7.5785, 8.3247



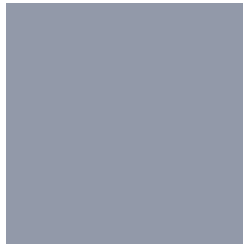
12.6688, 6.4762, 3.0676



0.3307, 0.1666, 0.1931

Previews

White Background



This preview shows how the XYZ color 30.4067, 31.7580, 42.0634 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 30.4067, 31.7580, 42.0634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

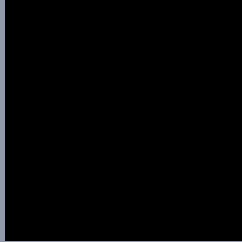
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4067, 31.7580, 42.0634

Background



This preview shows how black text looks on a background with the XYZ color 30.4067, 31.7580, 42.0634.



This preview shows how white text looks on a background with the XYZ color 30.4067, 31.7580,

42.0634.

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

30.4067, 31.7580, 42.0634

Protanopia

31.0586, 31.8629, 41.5590

Deuteranopia

32.5003, 31.8708, 42.4689



Tritanopia

30.1156, 31.8841, 40.6434

Trichromacy



Original Color

30.4067, 31.7580, 42.0634

Protanomaly

30.6905, 31.6732, 41.5418

Deuteranomaly

31.6796, 31.6835, 42.4760

Tritanomaly

30.2077, 31.9210, 41.1285

Monochromacy



Original Color

30.4067, 31.7580, 42.0634

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.2269, 31.7697, 37.3399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4067, 31.7580, 42.0634 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(146, 153, 169) looks like.

```
.text, #text, p{  
    color:rgb(146, 153, 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(146, 153, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 153, 169) }
```

Border

The CSS property to change the border of an element to XYZ 30.4067, 31.7580, 42.0634 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(146, 153, 169) }
```


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

```
.border{ border-color:rgb(146, 153, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 153, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 153, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 153, 169);  
box-shadow:4px 4px 4px 4px rgb(146, 153,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4067, 31.7580, 42.0634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 153, 169) }
```

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

```
.background{ background-color: rgb(146,  
153, 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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