

Converting Colors

XYZ(30.7907, 32.1587, 40.5407)

Have a look what the booklet for
XYZ(30.7907, 32.1587, 40.5407)
contains.

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Color

**XYZ(30.8330, 32.2539,
40.6770)**

Conversions

Conversions Part 1

Format	Color
Hex	959AA6
RGB	149, 154, 166
RGB Percent	58%, 60%, 65%
CMY	0.4157, 0.3961, 0.3490
CMYK	0.10, 0.07, 0.00, 0.35
HSL	222°, 9%, 62%
HSV	222°, 10%, 65%
XYZ	30.8330, 32.2539, 40.6770
YIQ	153.8730, -6.8320, 2.6720

Conversions

Conversions Part 2

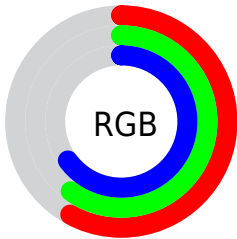
Format	Color
RYB	149, 153, 166
Decimal	9804454
CIELab	63.55, 0.66, -6.88
CIELCh	64, 6.916, 275.454
Yxy	32.2539, 0.2971, 0.3108
Android (android.graphics.Color)	4287994534 (0xFF959AA6)
YUV	153.8730, 5.9786, -4.2736
Hunter-Lab	56.7925, -2.4782, -2.7110

Details

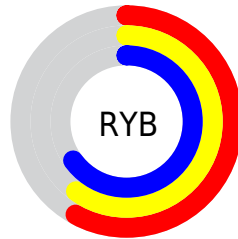
The XYZ color **30.8330, 32.2539, 40.6770** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8959, 35.7667, 33.5517**, and the grayscale version is **30.6370, 32.2325, 35.1012**.

A 20% lighter version of the original color is **60.2356, 63.0287, 77.3976**, and **12.9245, 13.5121, 17.8465** is the 20% darker color. If you saturate the color by 10%, you get **26.1775, 27.1228, 39.9325**, and if you desaturate by 10%, it is **36.1109, 37.9878, 41.5061**.

Distribution



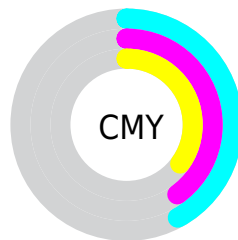
- Red (58%)
- Green (60%)
- Blue (65%)



- Red (58%)
- Yellow (60%)
- Blue (65%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (42%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8330, 32.2539, 40.6770 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 30.8330, 32.2539, 40.6770 by changing the saturation by 10% instead.

■ 30.8330, 32.2539,
40.6770

■ 30.8330, 32.2539,
40.6770

297.6089,
312.2742, 364.6054

■ 20.6229, 21.5555,
27.7490

■ 60.3547, 63.2089,
77.4417

■ 12.9595, 13.5307,
17.8991

■ 80.3970, 84.2343,
102.1154

■ 7.4775, 7.7950,
10.7089

104.4474,
109.4709, 131.5414

■ 3.8114, 3.9640,
5.7598

132.8713,
139.3029, 166.1384

■ 1.5960, 1.6535,
2.6331

166.0341,
174.1149, 206.3247

■ 0.3898, 0.3932,
0.9095

204.3010,

■ 0.0000, 0.0000,

214.2912, 252.5189

0.0000

248.0375,
260.2161, 305.1397

■ 30.8330, 32.2539,
40.6770

■ 30.8330, 32.2539,
40.6770

■ 26.1775, 27.1228,
39.9325

■ 36.1109, 37.9878,
41.5061

■ 22.1180, 22.5703,
39.2677

■ 42.0305, 44.3395,
42.4201

■ 18.6303, 18.5765,
38.6806

■ 48.6139, 51.3287,
43.4221

■ 15.6875, 15.1186,
38.1683

■ 55.8814, 58.9728,
44.5146

■ 13.2603, 12.1724,
37.7276

■ 63.8521, 67.2886,
45.6996

■ 11.3167, 9.7115,
37.3550

■ 72.5446, 76.2924,
46.9794

■ 9.8207, 7.7069,
37.0469

■ 78.1230, 84.0131,
48.1756

■ 8.7305, 6.1258,
36.7992

■ 81.6080, 90.9831,
49.3372

■ 7.9747, 4.9366,
36.6095

■ 83.8830, 95.5332,
50.0956

Harmonies

Analogous

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



29.8923, 32.2539, 40.1761



30.8330, 32.2539, 40.6770



31.7449, 32.2539, 39.6264

Triad

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



30.8330, 32.2539, 40.6770



32.1923, 32.2539, 32.1269



28.9999, 32.2539, 32.9581

Complementary

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



30.8330, 32.2539, 40.6770



33.8959, 35.7667, 33.5517

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.



29.5930, 32.2539, 30.9671



30.8330, 32.2539, 40.6770



31.4334, 32.2539, 30.5051

Square

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



30.8330, 32.2539, 40.6770



32.5401, 32.2539, 34.6165



30.4804, 32.2539, 30.0919



28.8467, 32.2539, 35.6263

Rectangle

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



30.8330, 32.2539, 40.6770



32.2097, 32.2539, 38.2183



30.4804, 32.2539, 30.0919



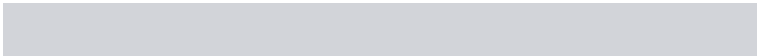
29.1538, 32.2539, 32.1920

Sweetspot

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



30.8339, 32.2553, 40.6777



62.7244, 65.9021, 74.8897



32.4555, 36.2323, 38.9556



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.



30.8339, 32.2553, 40.6777



54.1964, 56.6074, 73.5451



30.6550, 30.9629, 40.4377



7.3050, 7.6469, 9.5093



6.2201, 3.9004, 28.4005



0.1950, 0.1822, 0.7055

Inverse Universe

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



32.3069, 31.9358, 35.0348



57.3536, 55.9571, 61.4418



34.0841, 37.1873, 33.8160



7.6185, 7.5773, 8.3084



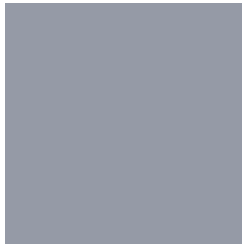
12.6402, 6.4648, 2.9170



0.3296, 0.1661, 0.1870

Previews

White Background



This preview shows how the XYZ color 30.8330, 32.2539, 40.6770 looks on a white background.

Color Contrast Check

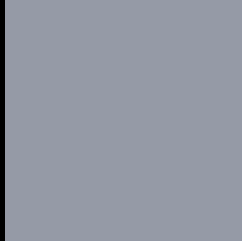
Large Text (above 18pt) WCAG AA × Fail

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 30.8330, 32.2539, 40.6770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

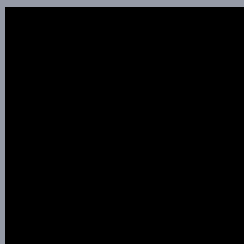
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

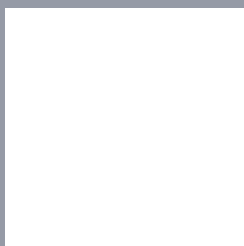
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8330, 32.2539, 40.6770

Background



This preview shows how black text looks on a background with the XYZ color 30.8330, 32.2539, 40.6770.

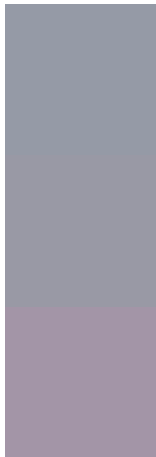


This preview shows how white text looks on a background with the XYZ color 30.8330, 32.2539,

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

30.8330, 32.2539, 40.6770

Protanopia

31.3196, 32.2714, 40.1756

Deuteranopia

32.8268, 32.0714, 41.0195



Tritanopia

30.8330, 32.2539, 40.6770

Trichromacy



Original Color

30.8330, 32.2539, 40.6770

Protanomaly

31.1317, 32.1745, 40.1668

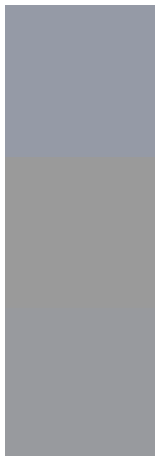
Deuteranomaly

32.1422, 32.1923, 41.0789

Tritanomaly

30.8330, 32.2539, 40.6770

Monochromacy



Original Color

30.8330, 32.2539, 40.6770

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.6761, 32.2552, 36.9568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8330, 32.2539, 40.6770 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, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(149, 154, 166)  
}
```

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, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 154, 166) }
```

Border

The CSS property to change the border of an element to XYZ 30.8330, 32.2539, 40.6770 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, 154, 166) }
```


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

```
.border{ border-color:rgb(149, 154, 166) }
```

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

Here you see how a box with a 4 pixel rgb(149, 154, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(149, 154,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8330, 32.2539, 40.6770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 154, 166) }
```

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

```
.background{ background-color: rgb(149,  
154, 166) }
```

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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