

Converting Colors

XYZ(31.1480, 34.8605, 40.2096)

Have a look what the booklet for
XYZ(31.1480, 34.8605, 40.2096)
contains.

XYZ(31.3040, 35.0709, 40.2414)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.3040, 35.0709,
40.2414)**

Conversions

Conversions Part 1

Format	Color
Hex	8FA4A4
RGB	143, 164, 164
RGB Percent	56%, 64%, 64%
CMY	0.4392, 0.3568, 0.3569
CMYK	0.13, 0.00, 0.00, 0.36
HSL	180°, 10%, 60%
HSV	180°, 13%, 64%
XYZ	31.3040, 35.0709, 40.2414
YIQ	157.7210, -12.5160, -4.4520

Conversions

Conversions Part 2

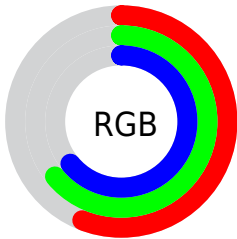
Format	Color
RYB	143, 154, 164
Decimal	9413796
CIELab	65.80, -7.31, -2.49
CIElCh	66, 7.719, 198.789
Yxy	35.0709, 0.2936, 0.3289
Android (android.graphics.Color)	4287603876 (0xFF8FA4A4)
YUV	157.7210, 3.0955, -12.9103
Hunter-Lab	59.2207, -9.2813, 1.1660

Details

The XYZ color **31.3040, 35.0709, 40.2414** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.0915, 29.5216, 30.1005**, and the grayscale version is **32.3643, 34.0498, 37.0802**.

A 20% lighter version of the original color is **61.1437, 67.6478, 76.8526**, and **13.1324, 15.0335, 17.5388** is the 20% darker color. If you saturate the color by 10%, you get **28.6700, 33.7140, 40.1180**, and if you desaturate by 10%, it is **34.3551, 36.6447, 40.3858**.

Distribution



Red (56%)

Green (64%)

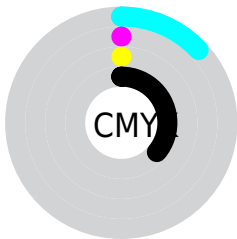
Blue (64%)



Red (56%)

Yellow (60%)

Blue (64%)

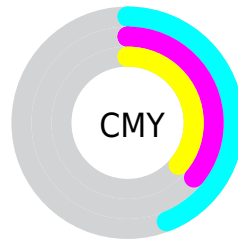


Cyan (13%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (44%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3040, 35.0709, 40.2414 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 31.3040, 35.0709, 40.2414 by changing the saturation by 10% instead.

■ 31.3040, 35.0709,
40.2414

■ 31.3040, 35.0709,
40.2414

299.7383,
324.8812, 362.7223

■ 20.9834, 23.7175,
27.4116

■ 61.0910, 67.5956,
76.7721

■ 13.2243, 15.1242,
17.6474

■ 81.2880, 89.5357,
101.3100

■ 7.6612, 8.9066,
10.5303

105.5080,
115.7734, 130.5878

■ 3.9289, 4.6803,
5.6418

134.1162,
146.6932, 165.0238

■ 1.6620, 2.0609,
2.5633

167.4780,
182.6795, 205.0368

■ 0.4323, 0.6425,
0.8734

205.9587,

■ 0.0000, 0.0000,

224.1167, 251.0452

0.0000

249.9237,
271.3891, 303.4675

■ 31.3040, 35.0709,
40.2414

■ 31.3040, 35.0709,
40.2414

■ 28.6700, 33.7140,
40.1180

■ 34.3551, 36.6447,
40.3858

■ 26.4321, 32.5603,
40.0123

■ 37.8372, 38.4398,
40.5497

■ 24.5722, 31.6015,
39.9244

■ 41.7671, 40.4657,
40.7345

■ 23.0693, 30.8268,
39.8531

■ 46.1600, 42.7303,
40.9410

■ 21.9006, 30.2243,
39.7975

■ 51.0303, 45.2410,
41.1699

■ 21.0406, 29.7810,
39.7564

■ 56.3917, 48.0049,
41.4217

■ 20.4602, 29.4818,
39.7283

■ 61.2183, 50.4931,
41.6485

■ 20.1245, 29.3087,
39.7117

■ 61.2184, 50.4931,
41.6494

■ 19.9755, 29.2320,
39.7040

■ 61.2186, 50.4932,
41.6503

Harmonies

Analogous

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



31.2322, 35.0709, 36.9802



31.3040, 35.0709, 40.2414



31.9123, 35.0709, 43.0996

Triad

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



31.3040, 35.0709, 40.2414



35.0080, 35.0709, 42.4676



33.7613, 35.0709, 32.3606

Complementary

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



31.3040, 35.0709, 40.2414



30.0915, 29.5216, 30.1005

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.



34.7970, 35.0709, 33.6612



31.3040, 35.0709, 40.2414



35.5277, 35.0709, 39.4182

Square

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



31.3040, 35.0709, 40.2414



34.0439, 35.0709, 44.4346



35.4496, 35.0709, 36.2023



32.6337, 35.0709, 32.5530

Rectangle

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



31.3040, 35.0709, 40.2414



32.5481, 35.0709, 44.3344



35.4496, 35.0709, 36.2023



34.1322, 35.0709, 32.6345

Sweetspot

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



31.3050, 35.0724, 40.2422



61.6118, 66.1288, 73.2685



29.6228, 34.4065, 31.0671



13.3778, 14.4098, 16.0136



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.3050, 35.0724, 40.2422



55.5678, 63.0131, 72.9838



29.5604, 31.5828, 39.6618



7.2761, 8.0113, 9.0657



15.3155, 22.4126, 30.4417



0.3218, 0.4709, 0.6397

Inverse Universe

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



30.0915, 29.5216, 30.1005



52.9834, 51.1913, 51.3843



31.6848, 32.7086, 30.6306



7.0738, 7.0860, 7.3752



11.7389, 6.0516, 0.5499



0.2467, 0.1272, 0.0116

Previews

White Background



This preview shows how the XYZ color 31.3040, 35.0709, 40.2414 looks on a white background.

Color Contrast Check

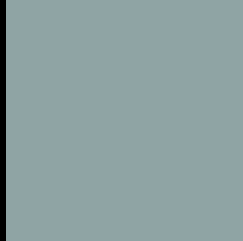
Large Text (above 18pt) WCAG AA × Fail

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 31.3040, 35.0709, 40.2414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

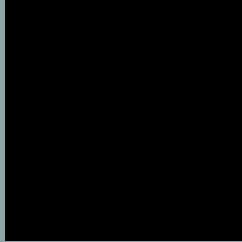
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3040, 35.0709, 40.2414

Background



This preview shows how black text looks on a background with the XYZ color 31.3040, 35.0709, 40.2414.

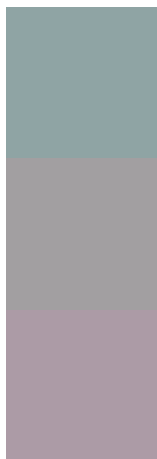


This preview shows how white text looks on a background with the XYZ color 31.3040, 35.0709,

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

31.3040, 35.0709, 40.2414

Protanopia

33.7315, 35.0509, 38.7059

Deuteranopia

35.6175, 34.9665, 40.9484



Tritanopia

32.3352, 34.9555, 45.6003

Trichromacy



Original Color

31.3040, 35.0709, 40.2414

Protanomaly

32.7840, 35.0669, 39.2231

Deuteranomaly

33.7163, 34.7474, 40.5272

Tritanomaly

31.9495, 35.0640, 43.6122

Monochromacy



Original Color

31.3040, 35.0709, 40.2414

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.0528, 34.4520, 38.2182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3040, 35.0709, 40.2414 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(143, 164, 164) looks like.

```
.text, #text, p{  
    color:rgb(143, 164, 164)  
}
```

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(143, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 164, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.3040, 35.0709, 40.2414 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(143, 164, 164) }
```


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

```
.border{ border-color:rgb(143, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(143, 164,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3040, 35.0709, 40.2414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 164, 164) }
```

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

```
.background{ background-color: rgb(143,  
164, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor