

Converting Colors

XYZ(31.0420, 28.4221, 40.1846)

Have a look what the booklet for
XYZ(31.0420, 28.4221, 40.1846)
contains.

XYZ(31.0250, 28.4679, 40.4189)	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(31.0250, 28.4679,
40.4189)**

Conversions

Conversions Part 1

Format	Color
Hex	A389A7
RGB	163, 137, 167
RGB Percent	64%, 54%, 65%
CMY	0.3608, 0.4627, 0.3451
CMYK	0.02, 0.18, 0.00, 0.35
HSL	292°, 15%, 60%
HSV	292°, 18%, 65%
XYZ	31.0250, 28.4679, 40.4189
YIQ	148.1940, 5.8660, 14.8420

Conversions

Conversions Part 2

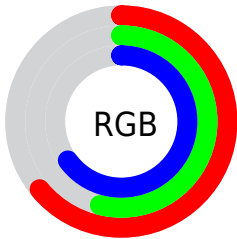
Format	Color
RYB	163, 137, 167
Decimal	10717607
CIELab	60.31, 15.35, -12.17
CIELCh	60, 19.588, 321.586
Yxy	28.4679, 0.3105, 0.2849
Android (android.graphics.Color)	4288907687 (0xFFA389A7)
YUV	148.1940, 9.2714, 12.9849
Hunter-Lab	53.3553, 10.4222, -7.5659

Details

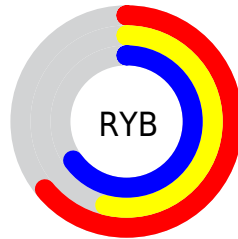
The XYZ color **31.0250, 28.4679, 40.4189** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **29.3196, 35.1070, 28.8994**, and the grayscale version is **28.1908, 29.6589, 32.2986**.

A 20% lighter version of the original color is **60.5117, 57.0063, 76.9212**, and **13.0583, 11.4337, 17.7383** is the 20% darker color. If you saturate the color by 10%, you get **28.3807, 23.8498, 39.6673**, and if you desaturate by 10%, it is **34.0464, 33.8274, 41.2946**.

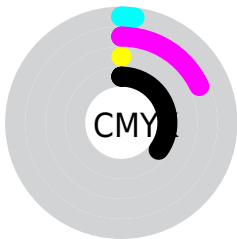
Distribution



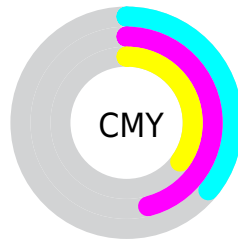
- Red (64%)
- Green (54%)
- Blue (65%)



- Red (64%)
- Yellow (54%)
- Blue (65%)



- Cyan (2%)
- Magenta (18%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (46%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0250, 28.4679, 40.4189 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 31.0250, 28.4679, 40.4189 by changing the saturation by 10% instead.

■ 31.0250, 28.4679,
40.4189

■ 31.0250, 28.4679,
40.4189

298.4783,
294.6960, 363.4905

■ 20.7698, 18.6787,
27.5490

■ 60.6550, 57.2306,
77.0450

■ 13.0673, 11.4383,
17.7499

■ 80.7605, 76.9729,
101.6384

■ 7.5523, 6.3625,
10.6030

■ 104.8802,
100.8016, 130.9766

■ 3.8592, 3.0667,
5.6898

133.3794,
129.1012, 165.4783

■ 1.6228, 1.1667,
2.5917

166.6234,
162.2560, 205.5620

■ 0.4072, 0.0342,
0.8881

204.9777,

■ 0.0000, 0.0000,

200.6505, 251.6463

0.0000

248.8075,
244.6690, 304.1496

■ 31.0250, 28.4679,
40.4189

■ 31.0250, 28.4679,
40.4189

■ 28.3807, 23.8498,
39.6673

■ 34.0464, 33.8274,
41.2946

■ 26.0942, 19.9359,
39.0324

■ 37.4583, 39.9563,
42.2977

■ 24.1481, 16.6908,
38.5086

■ 41.2763, 46.8855,
43.4340

■ 22.5225, 14.0752,
38.0894

■ 45.5146, 54.6430,
44.7080

■ 21.1955, 12.0450,
37.7675

■ 50.1865, 63.2557,
46.1241

■ 20.1423, 10.5510,
37.5346

■ 55.3049, 72.7491,
47.6868

■ 19.3342, 9.5354,
37.3812

■ 60.8820, 83.1478,
49.4000

■ 18.7222, 8.9007,
37.2909

■ 61.7478, 84.1114,
49.5403

■ 18.6054, 8.7857,
37.2749

■ 62.2735, 84.3824,
49.5649

Harmonies

Analogous

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



28.8755, 28.4679, 45.7343



31.0250, 28.4679, 40.4189



32.1271, 28.4679, 33.0669

Triad

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



31.0250, 28.4679, 40.4189



27.7714, 28.4679, 19.2195



22.8072, 28.4679, 36.3740

Complementary

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



31.0250, 28.4679, 40.4189



29.3196, 35.1070, 28.8994

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.



22.5521, 28.4679, 29.0148



31.0250, 28.4679, 40.4189



25.3182, 28.4679, 19.8233

Square

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



31.0250, 28.4679, 40.4189



30.1739, 28.4679, 21.3654



23.4442, 28.4679, 23.1659



24.1641, 28.4679, 43.1588

Rectangle

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



31.0250, 28.4679, 40.4189



32.0750, 28.4679, 28.2986



23.4442, 28.4679, 23.1659



22.5933, 28.4679, 33.8611

Sweetspot

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



31.0259, 28.4691, 40.4195



62.6561, 63.5905, 74.4471



26.8916, 27.3073, 40.4132



13.9315, 14.0696, 16.6336



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.



31.0259, 28.4691, 40.4195



53.3820, 47.1561, 71.7638



30.9261, 28.5253, 35.5518



7.7421, 7.6152, 9.4802



14.2665, 6.7381, 28.5241



0.3734, 0.1775, 0.6952

Inverse Universe

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



29.6907, 28.0312, 29.0463



50.5206, 46.2254, 47.0353



29.4421, 35.0789, 33.0302



7.5703, 7.5580, 8.0546



12.3184, 6.3361, 1.2226



0.3116, 0.1589, 0.0924

Previews

White Background



This preview shows how the XYZ color 31.0250, 28.4679, 40.4189 looks on a white background.

Color Contrast Check

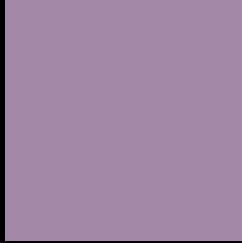
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0250, 28.4679, 40.4189 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 × Fail

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

XYZ 31.0250, 28.4679, 40.4189

Background



This preview shows how black text looks on a background with the XYZ color 31.0250, 28.4679, 40.4189.



This preview shows how white text looks on a background with the XYZ color 31.0250, 28.4679,

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

31.0250, 28.4679, 40.4189

Protanopia

28.2349, 28.5005, 43.0427

Deuteranopia

29.1336, 28.5832, 40.0580



Tritanopia

29.6619, 28.5676, 33.2289

Trichromacy



Original Color

31.0250, 28.4679, 40.4189

Protanomaly

28.9933, 28.2479, 41.9545

Deuteranomaly

29.7786, 28.4779, 40.0037

Tritanomaly

30.2187, 28.5809, 35.8223

Monochromacy



Original Color

31.0250, 28.4679, 40.4189

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.0265, 29.0854, 35.0945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0250, 28.4679, 40.4189 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(163, 137, 167)` looks like.

```
.text, #text, p{  
    color:rgb(163, 137, 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(163, 137, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 137, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.0250, 28.4679, 40.4189 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(163, 137, 167) }
```


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

```
.border{ border-color:rgb(163, 137, 167) }
```

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

Here you see how a box with a 4 pixel rgb(163, 137, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 137, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 137, 167);  
box-shadow:4px 4px 4px 4px rgb(163, 137,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0250, 28.4679, 40.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 137, 167) }
```

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

```
.background{ background-color: rgb(163,  
137, 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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