

Converting Colors

XYZ(31.2054, 28.0889, 40.2657)

Have a look what the booklet for
XYZ(31.2054, 28.0889, 40.2657)
contains.

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Color

**XYZ(31.1561, 28.1173,
40.3443)**

Conversions

Conversions Part 1

Format	Color
Hex	A587A7
RGB	165, 135, 167
RGB Percent	65%, 53%, 65%
CMY	0.3529, 0.4706, 0.3451
CMYK	0.01, 0.19, 0.00, 0.35
HSL	296°, 15%, 59%
HSV	296°, 19%, 65%
XYZ	31.1561, 28.1173, 40.3443
YIQ	147.6180, 7.6080, 16.3120

Conversions

Conversions Part 2

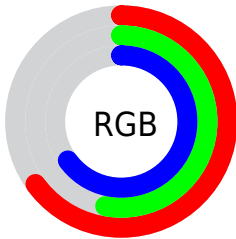
Format	Color
R_{YB}	165, 135, 167
Decimal	10848167
CIE _{Lab}	59.99, 17.19, -12.62
CIE _{LCh}	60, 21.326, 323.703
Yxy	28.1173, 0.3128, 0.2823
Android (android.graphics.Color)	4289038247 (0xFFA587A7)
YUV	147.6180, 9.5553, 15.2440
Hunter-Lab	53.0257, 12.0854, -7.9924

Details

The XYZ color **31.1561, 28.1173, 40.3443** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **28.5094, 34.7058, 28.1193**, and the grayscale version is **27.9493, 29.4049, 32.0219**.

A 20% lighter version of the original color is **60.6832, 56.4560, 76.8060**, and **13.1531, 11.2455, 17.6970** is the 20% darker color. If you saturate the color by 10%, you get **28.7905, 23.7066, 39.6180**, and if you desaturate by 10%, it is **33.8907, 33.2624, 41.1937**.

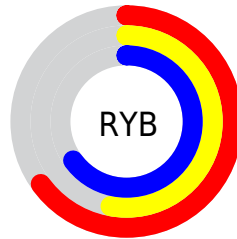
Distribution



Red (65%)

Green (53%)

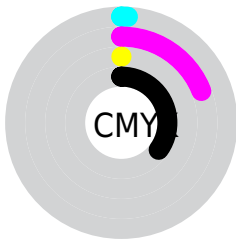
Blue (65%)



Red (65%)

Yellow (53%)

Blue (65%)

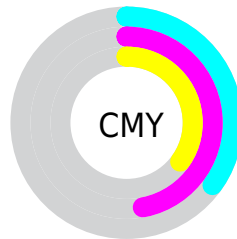


Cyan (1%)

Magenta (19%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (47%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1561, 28.1173, 40.3443 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 31.1561, 28.1173, 40.3443 by changing the saturation by 10% instead.

■ 31.1561, 28.1173,
40.3443

■ 31.1561, 28.1173,
40.3443

299.0709,
293.0270, 363.1678

■ 20.8702, 18.4141,
27.4913

■ 60.8599, 56.6717,
76.9303

■ 13.1410, 11.2477,
17.7068

■ 81.0085, 76.2916,
101.5004

■ 7.6034, 6.2337,
10.5725

■ 105.1754, 99.9859,
130.8132

■ 3.8919, 2.9877,
5.6696

133.7258,
128.1390, 165.2874

■ 1.6412, 1.1253,
2.5797

167.0252,
161.1353, 205.3414

■ 0.4190, 0.0000,
0.8820

205.4390,

■ 0.0000, 0.0000,

199.3591, 251.3937

0.0000

249.3324,
243.1949, 303.8630

■ 31.1561, 28.1173,
40.3443

■ 31.1561, 28.1173,
40.3443

■ 28.7905, 23.7066,
39.6180

■ 33.8907, 33.2624,
41.1937

■ 26.7743, 19.9925,
39.0074

■ 37.0075, 39.1698,
42.1697

■ 25.0900, 16.9397,
38.5069

■ 40.5225, 45.8709,
43.2778

■ 23.7176, 14.5080,
38.1099

■ 44.4497, 53.3937,
44.5229

■ 22.6350, 12.6532,
37.8090

■ 48.8025, 61.7653,
45.9094

■ 21.8169, 11.3249,
37.5957

■ 53.5939, 71.0112,
47.4415

■ 21.2339, 10.4643,
37.4603

■ 58.8361, 81.1562,
49.1234

■ 20.8273, 9.9537,
37.3832

■ 60.0463, 83.2343,
49.4607

■ 20.7950, 9.9144,
37.3773

■ 60.2786, 83.3540,
49.4716

Harmonies

Analogous

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



28.8783, 28.1173, 46.4440



31.1561, 28.1173, 40.3443



32.2558, 28.1173, 32.2841

Triad

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



31.1561, 28.1173, 40.3443



27.3013, 28.1173, 18.0305



22.2245, 28.1173, 37.0260

Complementary

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



31.1561, 28.1173, 40.3443



28.5094, 34.7058, 28.1193

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.



21.8649, 28.1173, 29.0044



31.1561, 28.1173, 40.3443



24.6808, 28.1173, 18.8657

Square

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



31.1561, 28.1173, 40.3443



29.9352, 28.1173, 20.0782



22.7347, 28.1173, 22.5909



23.7523, 28.1173, 44.3126

Rectangle

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



31.1561, 28.1173, 40.3443



32.1233, 28.1173, 27.2086



22.7347, 28.1173, 22.5909



21.9675, 28.1173, 34.2944

Sweetspot

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



31.1570, 28.1185, 40.3449



62.3246, 62.6507, 74.2832



25.9325, 25.8715, 40.1866



13.8720, 13.8779, 16.5997



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.



31.1570, 28.1185, 40.3449



53.9169, 46.8379, 71.6742



30.3620, 27.8490, 33.9708



7.7949, 7.6424, 9.4826



15.9277, 7.5945, 28.6019



0.4009, 0.1917, 0.6965

Inverse Universe

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



29.1166, 27.3508, 27.4128



49.5979, 45.2161, 44.1501



29.2255, 34.9547, 33.5856



7.5494, 7.5496, 7.9445



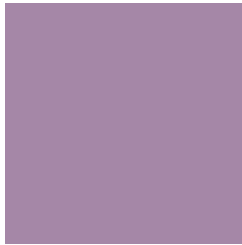
12.2453, 6.3068, 0.8373



0.3037, 0.1557, 0.0507

Previews

White Background



This preview shows how the XYZ color 31.1561, 28.1173, 40.3443 looks on a white background.

Color Contrast Check

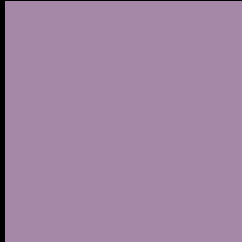
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1561, 28.1173, 40.3443 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 31.1561, 28.1173, 40.3443

Background



This preview shows how black text looks on a background with the XYZ color 31.1561, 28.1173, 40.3443.



This preview shows how white text looks on a background with the XYZ color 31.1561, 28.1173,

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

31.1561, 28.1173, 40.3443

Protanopia

28.0127, 28.1510, 43.4924

Deuteranopia

28.8022, 28.1925, 40.0000



Tritanopia

29.4136, 28.0283, 32.2935

Trichromacy



Original Color

31.1561, 28.1173, 40.3443

Protanomaly

28.9415, 27.9923, 42.4058

Deuteranomaly

29.6331, 28.1870, 39.9552

Tritanomaly

30.0507, 28.0782, 35.2883

Monochromacy



Original Color

31.1561, 28.1173, 40.3443

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.0653, 28.8815, 35.0531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1561, 28.1173, 40.3443 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(165, 135, 167)` looks like.

```
.text, #text, p{  
    color:rgb(165, 135, 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(165, 135, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 135, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.1561, 28.1173, 40.3443 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(165, 135, 167) }
```


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

```
.border{ border-color:rgb(165, 135, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 135, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 135, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 135, 167);  
box-shadow:4px 4px 4px 4px rgb(165, 135,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1561, 28.1173, 40.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 135, 167) }
```

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

```
.background{ background-color: rgb(165,  
135, 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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