

Converting Colors

XYZ(29.8853, 28.2042, 37.4257)

Have a look what the booklet for
XYZ(29.8853, 28.2042, 37.4257)
contains.

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Color

**XYZ(29.8196, 28.1211,
37.5745)**

Conversions

Conversions Part 1

Format	Color
Hex	9F8AA1
RGB	159, 138, 161
RGB Percent	62%, 54%, 63%
CMY	0.3765, 0.4588, 0.3686
CMYK	0.01, 0.14, 0.00, 0.37
HSL	295°, 11%, 59%
HSV	295°, 14%, 63%
XYZ	29.8196, 28.1211, 37.5745
YIQ	146.9010, 5.1330, 11.6050

Conversions

Conversions Part 2

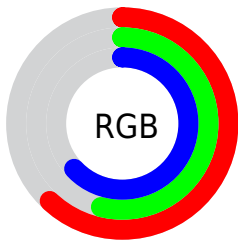
Format	Color
RYB	159, 138, 161
Decimal	10455713
CIELab	60.00, 12.17, -9.25
CIElCh	60, 15.289, 322.757
Yxy	28.1211, 0.3122, 0.2944
Android (android.graphics.Color)	4288645793 (0xFF9F8AA1)
YUV	146.9010, 6.9508, 10.6108
Hunter-Lab	53.0293, 7.5733, -4.8900

Details

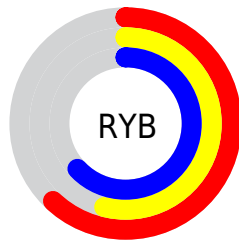
The XYZ color **29.8196, 28.1211, 37.5745** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.1486, 32.9009, 28.9131**, and the grayscale version is **27.6637, 29.1043, 31.6946**.

A 20% lighter version of the original color is **58.7570, 56.5156, 72.7775**, and **12.3134, 11.2094, 15.9826** is the 20% darker color. If you saturate the color by 10%, you get **27.4030, 23.6974, 36.8484**, and if you desaturate by 10%, it is **32.5834, 33.2337, 38.4161**.

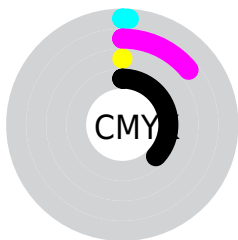
Distribution



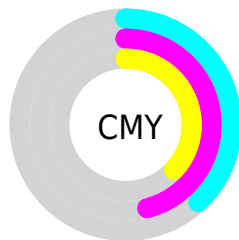
- Red (62%)
- Green (54%)
- Blue (63%)



- Red (62%)
- Yellow (54%)
- Blue (63%)



- Cyan (1%)
- Magenta (14%)
- Yellow (0%)
- Black (37%)



- Cyan (38%)
- Magenta (46%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8196, 28.1211, 37.5745 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 29.8196, 28.1211, 37.5745 by changing the saturation by 10% instead.

■ 29.8196, 28.1211,
37.5745

■ 29.8196, 28.1211,
37.5745

292.9876,
293.0451, 351.0344

■ 19.8491, 18.4170,
25.3533

■ 58.7654, 56.6777,
72.6517

■ 12.3930, 11.2498,
16.1191

■ 78.4713, 76.2990,
96.3447

■ 7.0860, 6.2351,
9.4532

■ 102.1531, 99.9948,
124.6989

■ 3.5628, 2.9886,
4.9371

130.1762,
128.1495, 158.1326

■ 1.4579, 1.1258,
2.1523

162.9058,
161.1475, 197.0645

■ 0.2969, 0.0000,
0.6467

200.7073,

■ 0.0000, 0.0000,

199.3731, 241.9131

0.0000

243.9461,
243.2109, 293.0969

■ 29.8196, 28.1211,
37.5745

■ 29.8196, 28.1211,
37.5745

■ 27.4030, 23.6974,
36.8484

■ 32.5834, 33.2337,
38.4161

■ 25.3162, 19.9289,
36.2310

■ 35.7060, 39.0598,
39.3760

■ 23.5438, 16.7845,
35.7175

■ 39.2016, 45.6271,
40.4594

■ 22.0682, 14.2294,
35.3021

■ 43.0828, 52.9608,
41.6704

■ 20.8704, 12.2250,
34.9783

■ 47.3616, 61.0851,
43.0130

■ 19.9287, 10.7284,
34.7391

■ 52.0495, 70.0228,
44.4911

■ 19.2184, 9.6900,
34.5761

■ 57.1576, 79.7961,
46.1083

■ 18.7098, 9.0504,
34.4795

■ 58.8142, 82.6617,
46.5741

■ 18.4659, 8.7764,
34.4394

■ 59.1190, 82.8188,
46.5884

Harmonies

Analogous

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



28.2022, 28.1211, 41.6045



29.8196, 28.1211, 37.5745



30.6154, 28.1211, 31.9904

Triad

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



29.8196, 28.1211, 37.5745



27.2029, 28.1211, 21.1698



23.4235, 28.1211, 34.9550

Complementary

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



29.8196, 28.1211, 37.5745



28.1486, 32.9009, 28.9131

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.



23.1849, 28.1211, 29.2876



29.8196, 28.1211, 37.5745



25.3066, 28.1211, 21.7607

Square

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



29.8196, 28.1211, 37.5745



29.0578, 28.1211, 22.8547



23.8583, 28.1211, 24.5798



24.5267, 28.1211, 39.9686

Rectangle

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



29.8196, 28.1211, 37.5745



30.5470, 28.1211, 28.3128



23.8583, 28.1211, 24.5798



23.2418, 28.1211, 33.0473

Sweetspot

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



29.8204, 28.1223, 37.5751



58.4635, 59.7227, 68.8328



26.3374, 26.8218, 37.5077



12.7392, 12.9444, 15.0707



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.8204, 28.1223, 37.5751



52.0269, 47.8312, 66.8768



29.4384, 28.0157, 33.4768



7.3033, 7.1707, 8.9022



14.7652, 7.0182, 27.5062



0.3268, 0.1560, 0.5787

Inverse Universe

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



28.5210, 27.6487, 28.6458



49.2730, 46.8297, 47.8513



28.5093, 33.0066, 32.5555



7.0976, 7.0955, 7.5005



11.8092, 6.0797, 0.9198



0.2552, 0.1306, 0.0563

Previews

White Background



This preview shows how the XYZ color 29.8196, 28.1211, 37.5745 looks on a white background.

Color Contrast Check

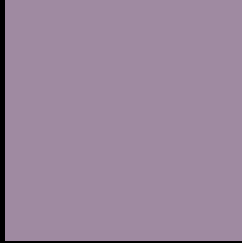
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8196, 28.1211, 37.5745 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 29.8196, 28.1211, 37.5745

Background



This preview shows how black text looks on a background with the XYZ color 29.8196, 28.1211, 37.5745.



This preview shows how white text looks on a background with the XYZ color 29.8196, 28.1211,

37.5745.

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

29.8196, 28.1211, 37.5745

Protanopia

27.7493, 28.3259, 39.6022

Deuteranopia

28.6325, 28.1671, 37.1854



Tritanopia

28.8686, 28.1586, 33.1918

Trichromacy



Original Color

29.8196, 28.1211, 37.5745

Protanomaly

28.5866, 28.3222, 39.0820

Deuteranomaly

29.0497, 28.1643, 37.1629

Tritanomaly

29.2496, 28.1009, 34.8927

Monochromacy



Original Color

29.8196, 28.1211, 37.5745

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.4033, 28.7928, 33.7663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8196, 28.1211, 37.5745 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(159, 138, 161)` looks like.

```
.text, #text, p{  
    color:rgb(159, 138, 161)  
}
```

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(159, 138, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 138, 161) }
```

Border

The CSS property to change the border of an element to XYZ 29.8196, 28.1211, 37.5745 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(159, 138, 161) }
```


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

```
.border{ border-color:rgb(159, 138, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 138, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 138, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 138, 161);  
box-shadow:4px 4px 4px 4px rgb(159, 138,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8196, 28.1211, 37.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 138, 161) }
```

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

```
.background{ background-color: rgb(159,  
138, 161) }
```

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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