

Converting Colors

XYZ(28.7234, 38.0718, 19.0786)

Have a look what the booklet for
XYZ(28.7234, 38.0718, 19.0786)
contains.

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Color

**XYZ(28.7867, 38.1791,
19.2167)**

Conversions

Conversions Part 1

Format	Color
Hex	89B269
RGB	137, 178, 105
RGB Percent	54%, 70%, 41%
CMY	0.4627, 0.3019, 0.5882
CMYK	0.23, 0.00, 0.41, 0.30
HSL	94°, 32%, 55%
HSV	94°, 41%, 70%
XYZ	28.7867, 38.1791, 19.2167
YIQ	157.4190, -1.0030, -31.3950

Conversions

Conversions Part 2

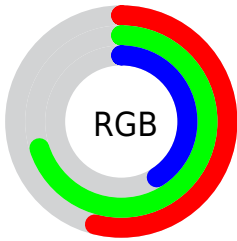
Format	Color
RYB	105, 178, 146
Decimal	9024105
CIELab	68.15, -26.95, 32.90
CIELCh	68, 42.530, 129.314
Yxy	38.1791, 0.3340, 0.4430
Android (android.graphics.Color)	4287214185 (0xFF89B269)
YUV	157.4190, -25.8426, -17.9075
Hunter-Lab	61.7892, -24.9706, 24.8130

Details

The XYZ color **28.7867, 38.1791, 19.2167** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.9433, 19.4297, 44.5573**, and the grayscale version is **32.3507, 34.0355, 37.0647**.

A 20% lighter version of the original color is **57.2468, 72.4864, 42.8723**, and **11.7937, 16.8840, 6.3787** is the 20% darker color. If you saturate the color by 10%, you get **26.4024, 37.0460, 14.8191**, and if you desaturate by 10%, it is **31.5163, 39.4704, 24.6316**.

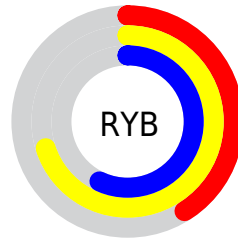
Distribution



Red (54%)

Green (70%)

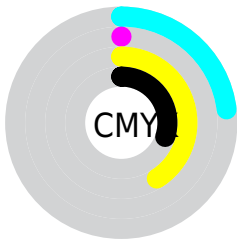
Blue (41%)



Red (41%)

Yellow (70%)

Blue (57%)

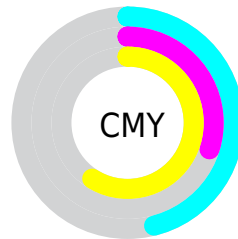


Cyan (23%)

Magenta (0%)

Yellow (41%)

Black (30%)



Cyan (46%)

Magenta (30%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7867, 38.1791, 19.2167 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 28.7867, 38.1791, 19.2167 by changing the saturation by 10% instead.

■ 28.7867, 38.1791,
19.2167

■ 28.7867, 38.1791,
19.2167

288.2196,
338.3876, 260.1049

■ 19.0630, 26.1217,
11.6486

■ 57.1379, 72.3826,
42.9415

■ 11.8201, 16.9147,
6.3852

■ 76.4962, 95.2974,
59.9353

■ 6.6926, 10.1737,
3.0082

■ 99.7966, 122.6003,
80.9080

■ 3.3152, 5.5143,
1.0988

■ 127.4046,
154.6755, 106.2782

■ 1.3226, 2.5521,
0.0000

159.6856,
191.9074, 136.4645

■ 0.2000, 0.9026,
0.0000

197.0048,

■ 0.0000, 0.0000,

234.6805, 171.8853

0.0000

239.7277,
283.3791, 212.9593

■ 28.7867, 38.1791,
19.2167

■ 28.7867, 38.1791,
19.2167

■ 26.4024, 37.0460,
14.8191

■ 31.5163, 39.4704,
24.6316

■ 24.3445, 36.0593,
11.3728

■ 34.6034, 40.9215,
31.1195

■ 22.5961, 35.2129,
8.8077


■ 38.0628, 42.5399,
38.7350


■ 21.1376, 34.4986,
7.0431

■ 41.9077, 44.3314,
47.5281


■ 19.9460, 33.9065,
5.9836

■ 46.1506, 46.3013,
57.5461

 19.0649, 33.4631,
5.4542

 50.8034, 48.4549,
68.8333

 55.8774, 50.7970,
81.4322

 61.3834, 53.3324,
95.3830

 65.6447, 55.3907,
101.8394

Harmonies

Analogous

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



34.2611, 38.1791, 14.9248



28.7867, 38.1791, 19.2167



25.6084, 38.1791, 29.9482

Triad

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



28.7867, 38.1791, 19.2167



31.9633, 38.1791, 86.0067



50.3980, 38.1791, 35.9301

Complementary

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



28.7867, 38.1791, 19.2167



24.9433, 19.4297, 44.5573

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.



49.5876, 38.1791, 55.8672



28.7867, 38.1791, 19.2167



38.3935, 38.1791, 89.0867

Square

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



28.7867, 38.1791, 19.2167



27.2812, 38.1791, 69.2998



44.9911, 38.1791, 76.7531



47.0868, 38.1791, 22.4444

Rectangle

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



28.7867, 38.1791, 19.2167



24.9624, 38.1791, 41.1346



44.9911, 38.1791, 76.7531



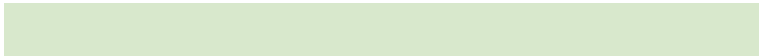
50.6067, 38.1791, 42.0096

Sweetspot

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



28.7877, 38.1808, 19.2175



68.2343, 76.7722, 68.4773



31.0598, 30.7831, 17.6699



14.9329, 16.9227, 14.7600



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.7877, 38.1808, 19.2175



48.3489, 67.4026, 27.7091



24.4888, 35.9425, 20.0169



8.7306, 9.6662, 9.0581



13.7102, 23.9780, 3.9056



0.4988, 0.7892, 0.1260

Inverse Universe

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



24.9433, 19.4297, 44.5573



40.4332, 28.8383, 79.8165



31.0874, 22.6389, 42.9568



8.4833, 8.4577, 10.6917



9.5818, 4.2754, 30.4572



0.3671, 0.1683, 0.9614

Previews

White Background



This preview shows how the XYZ color 28.7867, 38.1791, 19.2167 looks on a white background.

Color Contrast Check

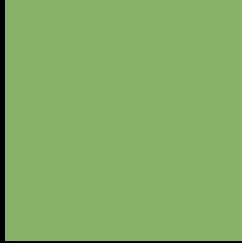
Large Text (above 18pt) WCAG AA × Fail

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 28.7867, 38.1791, 19.2167 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 28.7867, 38.1791, 19.2167

Background



This preview shows how black text looks on a background with the XYZ color 28.7867, 38.1791, 19.2167.



This preview shows how white text looks on a background with the XYZ color 28.7867, 38.1791,

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

28.7867, 38.1791, 19.2167

Protanopia

34.9925, 38.0163, 17.5502

Deuteranopia

38.5945, 37.7216, 19.9987



Tritanopia

35.0259, 38.1429, 49.7722

Trichromacy



Original Color

28.7867, 38.1791, 19.2167

Protanomaly

32.2900, 37.7081, 18.1469

Deuteranomaly

34.0664, 37.2231, 19.5766

Tritanomaly

32.2623, 37.8579, 36.1787

Monochromacy



Original Color

28.7867, 38.1791, 19.2167

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.6203, 35.2293, 29.2308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7867, 38.1791, 19.2167 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(137, 178, 105)` looks like.

```
.text, #text, p{  
    color:rgb(137, 178, 105)  
}
```

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(137, 178, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 178, 105) }
```

Border

The CSS property to change the border of an element to XYZ 28.7867, 38.1791, 19.2167 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(137, 178, 105) }
```


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

```
.border{ border-color:rgb(137, 178, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 178, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 178, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 178, 105);  
box-shadow:4px 4px 4px 4px rgb(137, 178,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7867, 38.1791, 19.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 178, 105) }
```

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

```
.background{ background-color: rgb(137,  
178, 105) }
```

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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