

Converting Colors

XYZ(28.1888, 31.0412, 36.8987)

Have a look what the booklet for
XYZ(28.1888, 31.0412, 36.8987)
contains.

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Color

**XYZ(28.2084, 30.9831,
36.8413)**

Conversions

Conversions Part 1

Format	Color
Hex	8A9A9E
RGB	138, 154, 158
RGB Percent	54%, 60%, 62%
CMY	0.4588, 0.3961, 0.3804
CMYK	0.13, 0.03, 0.00, 0.38
HSL	192°, 9%, 58%
HSV	192°, 13%, 62%
XYZ	28.2084, 30.9831, 36.8413
YIQ	149.6720, -10.8200, -2.1480

Conversions

Conversions Part 2

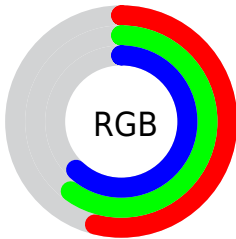
Format	Color
RYB	138, 147, 158
Decimal	9083550
CIELab	62.49, -4.82, -4.03
CIELCh	62, 6.282, 219.928
Yxy	30.9831, 0.2937, 0.3226
Android (android.graphics.Color)	4287273630 (0xFF8A9A9E)
YUV	149.6720, 4.1057, -10.2363
Hunter-Lab	55.6625, -6.9498, -0.2785

Details

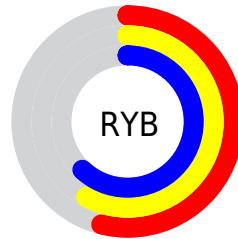
The XYZ color **28.2084, 30.9831, 36.8413** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.3612, 28.4500, 28.0420**, and the grayscale version is **28.8377, 30.3395, 33.0397**.

A 20% lighter version of the original color is **56.3043, 61.1223, 71.7810**, and **11.5286, 12.8367, 15.7800** is the 20% darker color. If you saturate the color by 10%, you get **25.2680, 28.7044, 36.5569**, and if you desaturate by 10%, it is **31.5447, 33.4879, 37.1494**.

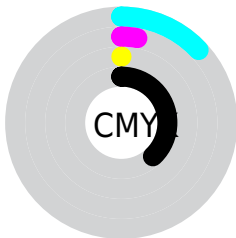
Distribution



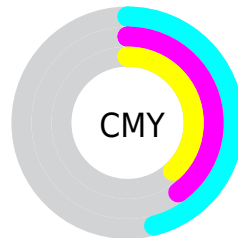
- Red (54%)
- Green (60%)
- Blue (62%)



- Red (54%)
- Yellow (58%)
- Blue (62%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)



- Cyan (46%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2084, 30.9831, 36.8413 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 28.2084, 30.9831, 36.8413 by changing the saturation by 10% instead.

■ 28.2084, 30.9831,
36.8413

■ 28.2084, 30.9831,
36.8413

285.5234,
306.4605, 347.7709

■ 18.6241, 20.5860,
24.7898

■ 56.2233, 61.2135,
71.5122

■ 11.5013, 12.8217,
15.7029

■ 75.3846, 81.8155,
94.9688

■ 6.4749, 7.3059,
9.1621

■ 98.4689, 106.5880,
123.0641

■ 3.1793, 3.6541,
4.7488

125.8416,
135.9152, 156.2167

■ 1.2493, 1.4820,
2.0445

157.8681,
170.1817, 194.8451

■ 0.1448, 0.2760,
0.5824

194.9136,

■ 0.0000, 0.0000,

209.7718, 239.3679

0.0000

237.3436,
255.0699, 290.2037

■ 28.2084, 30.9831,
36.8413

■ 28.2084, 30.9831,
36.8413

■ 25.2680, 28.7044,
36.5569

■ 31.5447, 33.4879,
37.1494

■ 22.7042, 26.6392,
36.2934

■ 35.2896, 36.2230,
37.4800

■ 20.5004, 24.7797,
36.0507

■ 39.4586, 39.1975,
37.8344

■ 18.6374, 23.1157,
35.8277

■ 44.0655, 42.4185,
38.2133

■ 17.0943, 21.6365,
35.6235

■ 49.1237, 45.8931,
38.6173

■ 15.8479, 20.3297,
35.4369

■ 54.6458, 49.6280,
39.0472

■ 14.8715, 19.1815,
35.2668

■ 60.6440, 53.6295,
39.5034

■ 14.1335, 18.1755,
35.1115

■ 63.5857, 56.0768,
39.8208

■ 13.6862, 17.4978,
35.0043

■ 64.2272, 57.3598,
40.0346

Harmonies

Analogous

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



27.8621, 30.9831, 34.5518



28.2084, 30.9831, 36.8413



28.8891, 30.9831, 38.3431

Triad

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



28.2084, 30.9831, 36.8413



31.0163, 30.9831, 35.3735



29.1666, 30.9831, 29.3161

Complementary

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



28.2084, 30.9831, 36.8413



28.3612, 28.4500, 28.0420

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.



30.0151, 30.9831, 29.5123



28.2084, 30.9831, 36.8413



31.0941, 30.9831, 32.9318

Square

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



28.2084, 30.9831, 36.8413



30.5139, 30.9831, 37.4677



30.7244, 30.9831, 30.8090



28.4082, 30.9831, 30.2594

Rectangle

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



28.2084, 30.9831, 36.8413



29.4464, 30.9831, 38.6547



30.7244, 30.9831, 30.8090



29.4506, 30.9831, 29.2521

Sweetspot

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



28.2093, 30.9844, 36.8420



56.3793, 60.1421, 67.3805



27.5661, 31.8005, 30.1460



12.6083, 13.4828, 15.1816



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.



28.2093, 30.9844, 36.8420



49.7515, 55.1369, 66.7638



26.6772, 27.9201, 36.3313



6.7092, 7.2841, 8.4590



10.9891, 14.0697, 28.0438



0.2228, 0.3042, 0.5102

Inverse Universe

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



29.0225, 27.7798, 34.4057



51.5144, 48.2688, 61.4644



29.8627, 31.4530, 28.5425



6.8473, 6.7318, 8.0470



14.3450, 7.0426, 16.5995



0.2698, 0.1312, 0.3667

Previews

White Background



This preview shows how the XYZ color 28.2084, 30.9831, 36.8413 looks on a white background.

Color Contrast Check

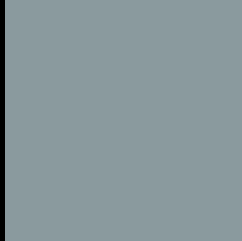
Large Text (above 18pt) WCAG AA × Fail

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 28.2084, 30.9831, 36.8413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

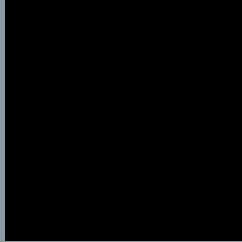
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

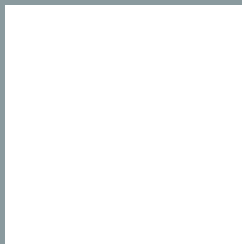
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2084, 30.9831, 36.8413

Background



This preview shows how black text looks on a background with the XYZ color 28.2084, 30.9831, 36.8413.



This preview shows how white text looks on a background with the XYZ color 28.2084, 30.9831,

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

28.2084, 30.9831, 36.8413

Protanopia

29.8560, 30.8884, 35.8410

Deuteranopia

31.5243, 30.7772, 37.5368



Tritanopia

28.8302, 30.9880, 40.0591

Trichromacy



Original Color

28.2084, 30.9831, 36.8413

Protanomaly

29.1850, 30.7706, 36.2994

Deuteranomaly

30.1423, 30.7704, 37.1515

Tritanomaly

28.5603, 30.8801, 38.6376

Monochromacy



Original Color

28.2084, 30.9831, 36.8413

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6704, 30.5441, 34.5215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2084, 30.9831, 36.8413 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(138, 154, 158)` looks like.

```
.text, #text, p{  
    color:rgb(138, 154, 158)  
}
```

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(138, 154, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 154, 158) }
```

Border

The CSS property to change the border of an element to XYZ 28.2084, 30.9831, 36.8413 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(138, 154, 158) }
```


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

```
.border{ border-color:rgb(138, 154, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 154, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 154, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 154, 158);  
box-shadow:4px 4px 4px 4px rgb(138, 154,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2084, 30.9831, 36.8413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 154, 158) }
```

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

```
.background{ background-color: rgb(138,  
154, 158) }
```

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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