

Converting Colors

XYZ(28.5766, 30.9832, 41.7675)

Have a look what the booklet for
XYZ(28.5766, 30.9832, 41.7675)
contains.

XYZ(28.7087, 31.1267, 42.0311)	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(28.7087, 31.1267,
42.0311)**

Conversions

Conversions Part 1

Format	Color
Hex	879AA9
RGB	135, 154, 169
RGB Percent	53%, 60%, 66%
CMY	0.4706, 0.3961, 0.3373
CMYK	0.20, 0.09, 0.00, 0.34
HSL	206°, 17%, 60%
HSV	206°, 20%, 66%
XYZ	28.7087, 31.1267, 42.0311
YIQ	150.0290, -16.1390, 0.6370

Conversions

Conversions Part 2

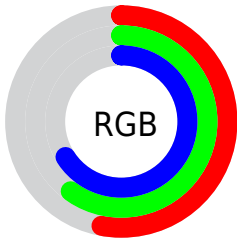
Format	Color
R_{YB}	135, 147, 169
Decimal	8886953
CIE _{Lab}	62.61, -3.38, -10.08
CIE _{LCh}	63, 10.633, 251.471
Yxy	31.1267, 0.2818, 0.3056
Android (android.graphics.Color)	4287077033 (0xFF879AA9)
YUV	150.0290, 9.3527, -13.1804
Hunter-Lab	55.7913, -5.7835, -5.6130

Details

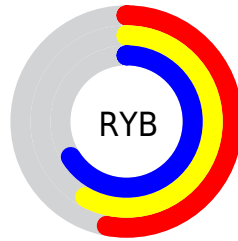
The XYZ color **28.7087, 31.1267, 42.0311** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6419, 31.9969, 27.4306**, and the grayscale version is **28.9690, 30.4776, 33.1901**.

A 20% lighter version of the original color is **56.9967, 61.3124, 79.3514**, and **11.8074, 12.9161, 18.7004** is the 20% darker color. If you saturate the color by 10%, you get **25.0102, 27.4506, 41.5170**, and if you desaturate by 10%, it is **32.9172, 35.1808, 42.5923**.

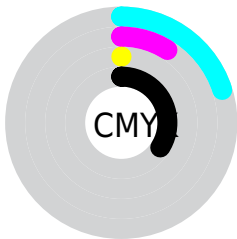
Distribution



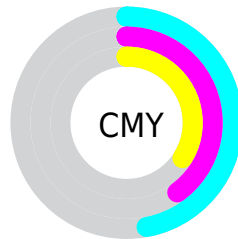
- Red (53%)
- Green (60%)
- Blue (66%)



- Red (53%)
- Yellow (58%)
- Blue (66%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (34%)



- Cyan (47%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7087, 31.1267, 42.0311 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 28.7087, 31.1267, 42.0311 by changing the saturation by 10% instead.

■ 28.7087, 31.1267,
42.0311

■ 28.7087, 31.1267,
42.0311

287.8571,
307.1216, 370.4153

■ 19.0037, 20.6953,
28.7999

■ 57.0147, 61.4395,
79.5173

■ 11.7770, 12.9015,
18.6852

■ 76.3465, 82.0897,
104.6094

■ 6.6631, 7.3607,
11.2685

■ 99.6179, 106.9150,
134.4921

■ 3.2968, 3.6887,
6.1313

127.1943,
136.2998, 169.5841

■ 1.3126, 1.5010,
2.8550

159.4411,
170.6285, 210.3039

■ 0.1926, 0.2894,
1.0211

196.7236,

■ 0.0000, 0.0000,

210.2854, 257.0700

0.0000

239.4071,
255.6550, 310.3009

■ 28.7087, 31.1267,
42.0311

■ 28.7087, 31.1267,
42.0311

■ 25.0102, 27.4506,
41.5170

■ 32.9172, 35.1808,
42.5923

■ 21.7971, 24.1353,
41.0464

■ 37.6531, 39.6214,
43.1998

■ 19.0471, 21.1681,
40.6186

■ 42.9365, 44.4616,
43.8556

■ 16.7346, 18.5336,
40.2320

■ 48.7856, 49.7128,
44.5609

■ 14.8315, 16.2150,
39.8848

■ 55.2177, 55.3856,
45.3169

■ 13.3061, 14.1938,
39.5750

■ 62.2493, 61.4904,
46.1246

■ 12.1210, 12.4483,
39.3006

■ 69.8963, 68.0371,
46.9852

■ 11.2046, 10.9507,
39.0598

■ 72.3577, 72.0370,
47.6275

■ 74.2837, 75.8890,
48.2695

Harmonies

Analogous

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



27.5468, 31.1267, 39.4531



28.7087, 31.1267, 42.0311



30.1423, 31.1267, 42.3252

Triad

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



28.7087, 31.1267, 42.0311



32.3993, 31.1267, 32.3301



27.7786, 31.1267, 28.2594

Complementary

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



28.7087, 31.1267, 42.0311



31.6419, 31.9969, 27.4306

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.



29.0346, 31.1267, 26.6602



28.7087, 31.1267, 42.0311



31.7213, 31.1267, 28.8791

Square

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



28.7087, 31.1267, 42.0311



32.3051, 31.1267, 36.4902



30.4789, 31.1267, 26.8774



27.0220, 31.1267, 31.4195

Rectangle

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



28.7087, 31.1267, 42.0311



31.0630, 31.1267, 41.1602



30.4789, 31.1267, 26.8774



28.1547, 31.1267, 27.5336

Sweetspot

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



28.7096, 31.1280, 42.0318



62.2379, 66.1107, 76.7055



29.6638, 35.7208, 34.0737



13.4534, 14.3041, 16.7040



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.



28.7096, 31.1280, 42.0318



48.4507, 52.8271, 74.8681



26.1373, 25.9833, 41.1744



7.4664, 7.9698, 9.5631



8.4046, 8.2694, 29.1287



0.2542, 0.3006, 0.7253

Inverse Universe

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



30.8596, 28.0967, 34.3701



53.0350, 46.6119, 58.4760



34.5058, 37.7247, 28.3852



7.7000, 7.6099, 8.7376



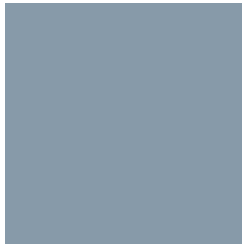
13.7429, 6.9059, 8.7234



0.3595, 0.1781, 0.3444

Previews

White Background



This preview shows how the XYZ color 28.7087, 31.1267, 42.0311 looks on a white background.

Color Contrast Check

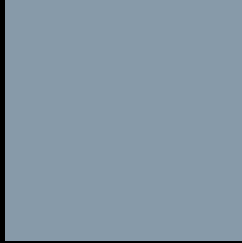
Large Text (above 18pt) WCAG AA × Fail

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 28.7087, 31.1267, 42.0311 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

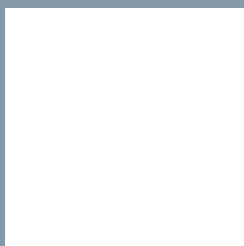
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7087, 31.1267, 42.0311

Background



This preview shows how black text looks on a background with the XYZ color 28.7087, 31.1267, 42.0311.



This preview shows how white text looks on a background with the XYZ color 28.7087, 31.1267,

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

28.7087, 31.1267, 42.0311

Protanopia

30.2758, 30.9923, 40.9456

Deuteranopia

31.5940, 30.9378, 42.3366



Tritanopia

28.5223, 31.0521, 41.0496

Trichromacy



Original Color

28.7087, 31.1267, 42.0311

Protanomaly

29.6361, 30.8897, 41.4461

Deuteranomaly

30.5565, 31.1045, 42.4235

Tritanomaly

28.6152, 31.0893, 41.5384

Monochromacy



Original Color

28.7087, 31.1267, 42.0311

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.8295, 30.5873, 36.2827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7087, 31.1267, 42.0311 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(135, 154, 169)` looks like.

```
.text, #text, p{  
    color:rgb(135, 154, 169)  
}
```

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(135, 154, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 154, 169) }
```

Border

The CSS property to change the border of an element to XYZ 28.7087, 31.1267, 42.0311 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(135, 154, 169) }
```


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

```
.border{ border-color:rgb(135, 154, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 154, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 154, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 154, 169);  
box-shadow:4px 4px 4px 4px rgb(135, 154,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7087, 31.1267, 42.0311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 154, 169) }
```

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

```
.background{ background-color: rgb(135,  
154, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor