

Converting Colors

XYZ(28.4940, 35.4839, 31.7629)

Have a look what the booklet for
XYZ(28.4940, 35.4839, 31.7629)
contains.

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Color

**XYZ(28.4620, 35.4302,
31.7242)**

Conversions

Conversions Part 1

Format	Color
Hex	81AA90
RGB	129, 170, 144
RGB Percent	51%, 67%, 56%
CMY	0.4941, 0.3333, 0.4353
CMYK	0.24, 0.00, 0.15, 0.33
HSL	142°, 19%, 59%
HSV	142°, 24%, 67%
XYZ	28.4620, 35.4302, 31.7242
YIQ	154.7770, -16.0900, -16.7780

Conversions

Conversions Part 2

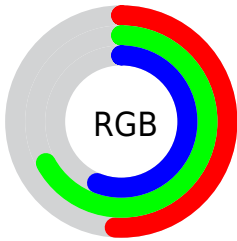
Format	Color
RYB	129, 159, 170
Decimal	8497808
CIELab	66.08, -19.29, 8.93
CIElCh	66, 21.258, 155.154
Yxy	35.4302, 0.2977, 0.3705
Android (android.graphics.Color)	4286687888 (0xFF81AA90)
YUV	154.7770, -5.3131, -22.6064
Hunter-Lab	59.5233, -18.8131, 10.0664

Details

The XYZ color **28.4620, 35.4302, 31.7242** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.3454, 26.6139, 34.5493**, and the grayscale version is **31.0857, 32.7046, 35.6153**.

A 20% lighter version of the original color is **56.6467, 67.9949, 63.5648**, and **11.7233, 15.4273, 12.9496** is the 20% darker color. If you saturate the color by 10%, you get **25.3065, 33.8952, 27.4789**, and if you desaturate by 10%, it is **32.1278, 37.2212, 36.4057**.

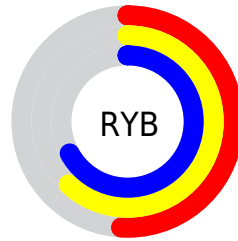
Distribution



Red (51%)

Green (67%)

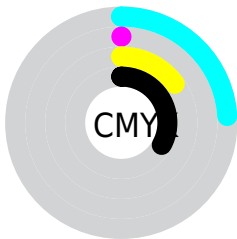
Blue (56%)



Red (51%)

Yellow (62%)

Blue (67%)

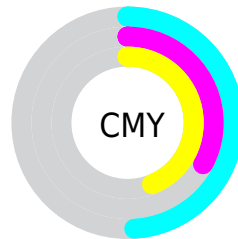


Cyan (24%)

Magenta (0%)

Yellow (15%)

Black (33%)



Cyan (49%)

Magenta (33%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4620, 35.4302, 31.7242 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 28.4620, 35.4302, 31.7242 by changing the saturation by 10% instead.

■ 28.4620, 35.4302,
31.7242

■ 28.4620, 35.4302,
31.7242

286.7082,
326.4632, 324.3149

■ 18.8164, 23.9945,
20.8879

■ 56.6247, 68.1517,
63.4713

■ 11.6409, 15.3295,
12.8516

■ 75.8726, 90.2062,
85.2192

■ 6.5701, 9.0510,
7.1969

■ 99.0519, 116.5691,
111.4414

■ 3.2387, 4.7744,
3.5052

126.5281,
147.6248, 142.5563

■ 1.2812, 2.1155,
1.3581

158.6664,
183.7576, 178.9826

■ 0.1691, 0.6733,
0.1087

195.8323,

■ 0.0000, 0.0000,

225.3521, 221.1388

0.0000

238.3911,
272.7924, 269.4433

■ 28.4620, 35.4302,
31.7242

■ 28.4620, 35.4302,
31.7242

■ 25.3065, 33.8952,
27.4789

■ 32.1278, 37.2212,
36.4057

■ 22.6349, 32.5998,
23.6549

■ 36.3229, 39.2747,
41.5331

■ 20.4229, 31.5328,
20.2398

■ 41.0689, 41.6026,
47.1186

■ 18.6428, 30.6801,
17.2198

■ 46.3850, 44.2147,
53.1735

■ 17.2637, 30.0261,
14.5802

■ 52.2900, 47.1203,
59.7084

■ 16.2502, 29.5529,
12.3054

■ 58.8013, 50.3282,
66.7337

■ 15.5604, 29.2393,
10.3785

■ 65.9359, 53.8471,
74.2595

■ 15.2503, 29.1008,
9.3987

■ 69.9333, 55.7380,
82.1188

■ 71.4970, 56.3635,
90.3532

Harmonies

Analogous

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



30.2999, 35.4302, 26.0381



28.4620, 35.4302, 31.7242



27.9844, 35.4302, 40.1602

Triad

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



28.4620, 35.4302, 31.7242



34.2235, 35.4302, 58.6108



38.8861, 35.4302, 29.4089

Complementary

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



28.4620, 35.4302, 31.7242



30.3454, 26.6139, 34.5493

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.



40.0899, 35.4302, 37.0369



28.4620, 35.4302, 31.7242



37.2926, 35.4302, 54.6081

Square

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



28.4620, 35.4302, 31.7242



31.1886, 35.4302, 56.6005



39.4893, 35.4302, 46.3528



36.2908, 35.4302, 24.8549

Rectangle

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



28.4620, 35.4302, 31.7242



28.4743, 35.4302, 46.4484



39.4893, 35.4302, 46.3528



39.4740, 35.4302, 31.6501

Sweetspot

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



28.4630, 35.4317, 31.7250



63.5080, 70.0842, 72.4690



31.9811, 37.3691, 26.2966



14.0635, 15.5806, 16.0407



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.4630, 35.4317, 31.7250



48.4322, 62.7210, 53.2970



30.1164, 36.0931, 40.4319



7.5460, 8.4514, 8.5952



11.2426, 21.4158, 7.0445



0.2982, 0.5309, 0.3011

Inverse Universe

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



30.3454, 26.6139, 34.5493



52.4515, 43.8857, 59.3218



28.8126, 26.0008, 26.4776



7.7237, 7.6193, 8.8622



14.2057, 7.0910, 11.1608



0.3689, 0.1818, 0.3943

Previews

White Background



This preview shows how the XYZ color 28.4620, 35.4302, 31.7242 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 28.4620, 35.4302, 31.7242 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 28.4620, 35.4302, 31.7242

Background



This preview shows how black text looks on a background with the XYZ color 28.4620, 35.4302, 31.7242.



This preview shows how white text looks on a background with the XYZ color 28.4620, 35.4302,

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

28.4620, 35.4302, 31.7242

Protanopia

33.3795, 35.3305, 29.4863

Deuteranopia

35.6445, 34.9211, 32.4655



Tritanopia

31.4827, 35.2755, 47.2690

Trichromacy



Original Color

28.4620, 35.4302, 31.7242

Protanomaly

31.4096, 35.3440, 30.3659

Deuteranomaly

32.4571, 34.7940, 32.1994

Tritanomaly

30.3745, 35.3772, 41.3040

Monochromacy



Original Color

28.4620, 35.4302, 31.7242

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.0108, 33.4870, 34.1601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4620, 35.4302, 31.7242 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(129, 170, 144)` looks like.

```
.text, #text, p{  
    color:rgb(129, 170, 144)  
}
```

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(129, 170, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 170, 144) }
```

Border

The CSS property to change the border of an element to XYZ 28.4620, 35.4302, 31.7242 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(129, 170, 144) }
```


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

```
.border{ border-color:rgb(129, 170, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 170, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 170, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 170, 144);  
box-shadow:4px 4px 4px 4px rgb(129, 170,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4620, 35.4302, 31.7242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 170, 144) }
```

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

```
.background{ background-color: rgb(129,  
170, 144) }
```

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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