

Converting Colors

XYZ(29.2258, 31.8109, 42.8582)

Have a look what the booklet for
XYZ(29.2258, 31.8109, 42.8582)
contains.

XYZ(29.2975, 31.9135, 42.6460)	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(29.2975, 31.9135,
42.6460)**

Conversions

Conversions Part 1

Format	Color
Hex	889CAA
RGB	136, 156, 170
RGB Percent	53%, 61%, 67%
CMY	0.4667, 0.3882, 0.3333
CMYK	0.20, 0.08, 0.00, 0.33
HSL	205°, 17%, 60%
HSV	205°, 20%, 67%
XYZ	29.2975, 31.9135, 42.6460
YIQ	151.6160, -16.4140, 0.1140

Conversions

Conversions Part 2

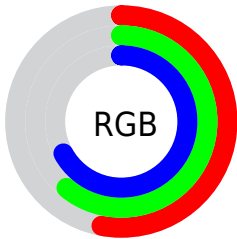
Format	Color
R_{YB}	136, 149, 170
Decimal	8953002
CIE Lab	63.27, -3.93, -9.66
CIE LCh	63, 10.426, 247.841
Yxy	31.9135, 0.2821, 0.3073
Android (android.graphics.Color)	4287143082 (0xFF889CAA)
YUV	151.6160, 9.0633, -13.6952
Hunter-Lab	56.4920, -6.2887, -5.2138

Details

The XYZ color **29.2975, 31.9135, 42.6460** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9280, 32.1362, 27.8133**, and the grayscale version is **29.6477, 31.1917, 33.9678**.

A 20% lighter version of the original color is **57.8724, 62.4766, 80.2431**, and **12.1593, 13.3896, 19.0831** is the 20% darker color. If you saturate the color by 10%, you get **25.6119, 28.3207, 42.1473**, and if you desaturate by 10%, it is **33.4906, 35.8700, 43.1892**.

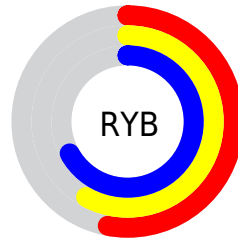
Distribution



Red (53%)

Green (61%)

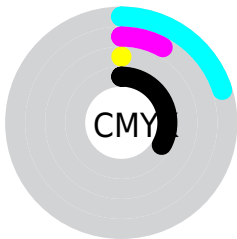
Blue (67%)



Red (53%)

Yellow (58%)

Blue (67%)

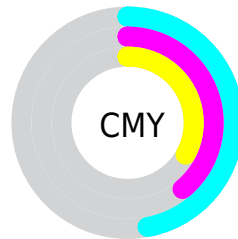


Cyan (20%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (39%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2975, 31.9135, 42.6460 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 29.2975, 31.9135, 42.6460 by changing the saturation by 10% instead.

■ 29.2975, 31.9135,
42.6460

■ 29.2975, 31.9135,
42.6460

290.5850,
310.7250, 373.0323

■ 19.4514, 21.2954,
29.2781

■ 57.9437, 62.6755,
80.4570

■ 12.1028, 13.3401,
19.0439

■ 77.4745, 83.5881,
105.7372

■ 6.8865, 7.6632,
11.5249

■ 100.9643,
108.7012, 135.8253

■ 3.4369, 3.8802,
6.3025

128.7784,
138.3989, 171.1397

■ 1.3888, 1.6068,
2.9581

161.2822,
173.0658, 212.0991

■ 0.2482, 0.3622,
1.0733

198.8410,

■ 0.0000, 0.0000,

213.0862, 259.1220

0.0000

241.8201,
258.8444, 312.6268

■ 29.2975, 31.9135,
42.6460

■ 29.2975, 31.9135,
42.6460

■ 25.6119, 28.3207,
42.1473

■ 33.4906, 35.8700,
43.1892

■ 22.4093, 25.0749,
41.6896

■ 38.2087, 40.1985,
43.7760

■ 19.6671, 22.1635,
41.2722

■ 43.4720, 44.9117,
44.4084

■ 17.3600, 19.5717,
40.8935

■ 49.2985, 50.0206,
45.0874

■ 15.4595, 17.2831,
40.5519

■ 55.7056, 55.5356,
45.8142

■ 13.9340, 15.2793,
40.2455

■ 62.7098, 61.4667,
46.5898

■ 12.7458, 13.5392,
39.9723

■ 70.3262, 67.8230,
47.4153

■ 11.8141, 12.0190,
39.7280

■ 72.0380, 71.2467,
47.9859

■ 11.8141, 12.0189,
39.7280

■ 73.8257, 74.8221,
48.5818

Harmonies

Analogous

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



28.1924, 31.9135, 39.8588



29.2975, 31.9135, 42.6460



30.7132, 31.9135, 43.2368

Triad

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



29.2975, 31.9135, 42.6460



33.1676, 31.9135, 33.6747



28.6611, 31.9135, 28.8390

Complementary

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



29.2975, 31.9135, 42.6460



31.9280, 32.1362, 27.8133

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.



29.9556, 31.9135, 27.4507



29.2975, 31.9135, 42.6460



32.5789, 31.9135, 30.0946

Square

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



29.2975, 31.9135, 42.6460



32.9778, 31.9135, 37.8350



31.3923, 31.9135, 27.8914



27.8332, 31.9135, 31.8344

Rectangle

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



29.2975, 31.9135, 42.6460



31.6482, 31.9135, 42.2653



31.3923, 31.9135, 27.8914



29.0544, 31.9135, 28.1802

Sweetspot

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



29.2985, 31.9148, 42.6467



63.9797, 68.0555, 78.7658



30.0015, 36.1734, 34.0871



14.1500, 15.0683, 17.5504



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.



29.2985, 31.9148, 42.6467



50.0804, 54.9333, 76.9655



26.7003, 26.7184, 41.7807



7.4847, 8.0063, 9.5692



8.7464, 8.9529, 29.2426



0.2613, 0.3149, 0.7277

Inverse Universe

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



31.3832, 28.5553, 35.3117



54.6101, 47.9023, 60.9682



34.7676, 37.8153, 28.7598



7.7093, 7.6136, 8.7861



13.9154, 6.9749, 9.6318



0.3631, 0.1795, 0.3634

Previews

White Background



This preview shows how the XYZ color 29.2975, 31.9135, 42.6460 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 29.2975, 31.9135, 42.6460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

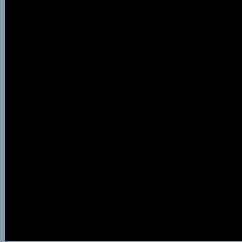
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

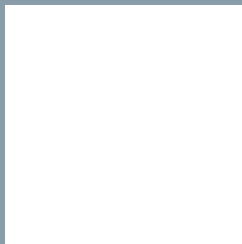
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2975, 31.9135, 42.6460

Background



This preview shows how black text looks on a background with the XYZ color 29.2975, 31.9135, 42.6460.



This preview shows how white text looks on a background with the XYZ color 29.2975, 31.9135,

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

29.2975, 31.9135, 42.6460

Protanopia

30.9658, 31.8258, 41.0701

Deuteranopia

32.3962, 31.8061, 42.9598



Tritanopia

29.2032, 31.8757, 42.1496

Trichromacy



Original Color

29.2975, 31.9135, 42.6460

Protanomaly

30.3132, 31.7206, 41.5708

Deuteranomaly

31.3414, 31.9761, 43.0482

Tritanomaly

29.2032, 31.8757, 42.1496

Monochromacy



Original Color

29.2975, 31.9135, 42.6460

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5033, 31.3967, 37.3061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2975, 31.9135, 42.6460 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(136, 156, 170)` looks like.

```
.text, #text, p{  
    color:rgb(136, 156, 170)  
}
```

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(136, 156, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 156, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.2975, 31.9135, 42.6460 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(136, 156, 170) }
```


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

```
.border{ border-color:rgb(136, 156, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 156, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 156, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 156, 170);  
box-shadow:4px 4px 4px 4px rgb(136, 156,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2975, 31.9135, 42.6460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 156, 170) }
```

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

```
.background{ background-color: rgb(136,  
156, 170) }
```

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