

Converting Colors

XYZ(29.3833, 31.5869, 42.4345)

Have a look what the booklet for
XYZ(29.3833, 31.5869, 42.4345)
contains.

XYZ(29.2925, 31.4168, 42.5504)	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(29.2925, 31.4168,
42.5504)**

Conversions

Conversions Part 1

Format	Color
Hex	8A9AAA
RGB	138, 154, 170
RGB Percent	54%, 60%, 67%
CMY	0.4588, 0.3961, 0.3333
CMYK	0.19, 0.09, 0.00, 0.33
HSL	210°, 16%, 60%
HSV	210°, 19%, 67%
XYZ	29.2925, 31.4168, 42.5504
YIQ	151.0400, -14.6720, 1.5840

Conversions

Conversions Part 2

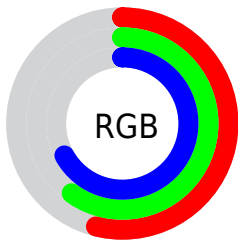
Format	Color
R_{YB}	138, 149, 170
Decimal	9083562
CIE Lab	62.86, -2.17, -10.26
CIE LCh	63, 10.487, 258.058
Yxy	31.4168, 0.2837, 0.3043
Android (android.graphics.Color)	4287273642 (0xFF8A9AAA)
YUV	151.0400, 9.3473, -11.4361
Hunter-Lab	56.0507, -4.8033, -5.7740

Details

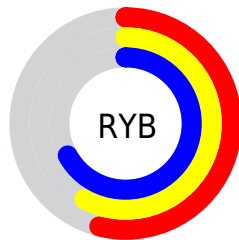
The XYZ color **29.2925, 31.4168, 42.5504** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7207, 33.4920, 28.7853**, and the grayscale version is **29.3990, 30.9301, 33.6829**.

A 20% lighter version of the original color is **57.8847, 61.7545, 80.1031**, and **12.1448, 13.0832, 19.0248** is the 20% darker color. If you saturate the color by 10%, you get **25.3438, 27.3728, 41.9785**, and if you desaturate by 10%, it is **33.7826, 35.8890, 43.1775**.

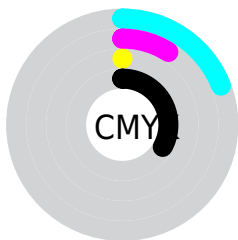
Distribution



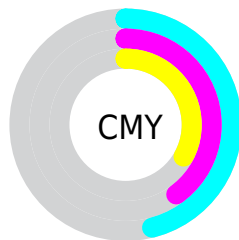
- Red (54%)
- Green (60%)
- Blue (67%)



- Red (54%)
- Yellow (58%)
- Blue (67%)



- Cyan (19%)
- Magenta (9%)
- Yellow (0%)
- Black (33%)



- Cyan (46%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2925, 31.4168, 42.5504 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 29.2925, 31.4168, 42.5504 by changing the saturation by 10% instead.

■ 29.2925, 31.4168,
42.5504

■ 29.2925, 31.4168,
42.5504

290.5619,
308.4539, 372.6263

■ 19.4476, 20.9164,
29.2037

■ 57.9358, 61.8957,
80.3110

■ 12.1001, 13.0629,
18.9881

■ 77.4650, 82.6430,
105.5620

■ 6.8845, 7.4719,
11.4849

■ 100.9529,
107.5748, 135.6183

■ 3.4357, 3.7589,
6.2758

128.7650,
137.0753, 170.8982

■ 1.3881, 1.5396,
2.9420

161.2666,
171.5292, 211.8205

■ 0.2477, 0.3164,
1.0651

198.8230,

■ 0.0000, 0.0000,

211.3206, 258.8035

0.0000

241.7997,
256.8341, 312.2659

■ 29.2925, 31.4168,
42.5504

■ 29.2925, 31.4168,
42.5504

■ 25.3438, 27.3728,
41.9785

■ 33.7826, 35.8890,
43.1775

■ 21.9114, 23.7385,
41.4579

■ 38.8325, 40.7994,
43.8591

■ 18.9719, 20.4996,
40.9876

■ 44.4630, 46.1623,
44.5975

■ 16.4991, 17.6394,
40.5659

■ 50.6928, 51.9903,
45.3941

■ 14.4642, 15.1396,
40.1906

■ 57.5401, 58.2953,
46.2502

■ 12.8347, 12.9801,
39.8597

■ 65.0221, 65.0888,
47.1671

■ 11.5728, 11.1376,
39.5706

■ 72.4148, 72.0003,
48.1115

■ 10.6097, 9.5729,
39.3193

■ 74.6155, 76.4016,
48.8451

■ 10.5053, 9.4014,
39.2917

■ 76.9299, 81.0306,
49.6166

Harmonies

Analogous

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



28.0513, 31.4168, 40.4392



29.2925, 31.4168, 42.5504



30.7256, 31.4168, 42.2981

Triad

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



29.2925, 31.4168, 42.5504



32.5661, 31.4168, 31.8122



27.8518, 31.4168, 29.1853

Complementary

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



29.2925, 31.4168, 42.5504



32.7207, 33.4920, 28.7853

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.



29.0122, 31.4168, 27.2207



29.2925, 31.4168, 42.5504



31.7463, 31.4168, 28.6514

Square

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



29.2925, 31.4168, 42.5504



32.6471, 31.4168, 35.8716



30.4363, 31.4168, 27.0334



27.2376, 31.4168, 32.5958

Rectangle

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



29.2925, 31.4168, 42.5504



31.5971, 31.4168, 40.8259



30.4363, 31.4168, 27.0334



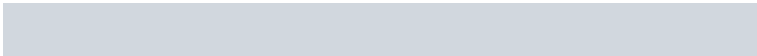
28.1892, 31.4168, 28.3461

Sweetspot

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



29.2934, 31.4181, 42.5511



63.6792, 67.4545, 78.6657



30.6449, 36.4686, 35.7640



14.0764, 14.9210, 17.5258



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.



29.2934, 31.4181, 42.5511



49.7380, 53.5380, 76.7143



26.9026, 26.6365, 41.7542



7.4301, 7.8971, 9.5510



7.7836, 7.0273, 28.9217



0.2406, 0.2734, 0.7207

Inverse Universe

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



31.4995, 29.0567, 34.5217



54.6107, 48.5666, 58.9243



35.4405, 38.9315, 29.6919



7.6817, 7.6025, 8.6410



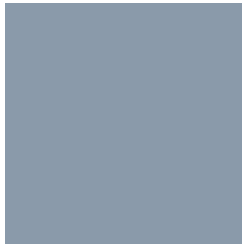
13.4294, 6.7805, 7.0726



0.3526, 0.1753, 0.3082

Previews

White Background



This preview shows how the XYZ color 29.2925, 31.4168, 42.5504 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 29.2925, 31.4168, 42.5504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

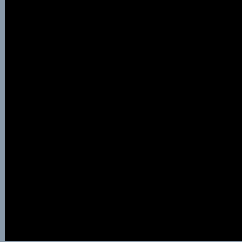
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2925, 31.4168, 42.5504

Background



This preview shows how black text looks on a background with the XYZ color 29.2925, 31.4168, 42.5504.



This preview shows how white text looks on a background with the XYZ color 29.2925, 31.4168,

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

29.2925, 31.4168, 42.5504

Protanopia

30.7122, 31.4444, 41.4965

Deuteranopia

32.0411, 31.3892, 42.8980



Tritanopia

29.0129, 31.5511, 41.1200

Trichromacy



Original Color

29.2925, 31.4168, 42.5504

Protanomaly

30.2437, 31.4320, 42.0091

Deuteranomaly

31.0195, 31.3323, 42.9409

Tritanomaly

29.1058, 31.5882, 41.6089

Monochromacy



Original Color

29.2925, 31.4168, 42.5504

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2539, 31.0361, 36.7965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2925, 31.4168, 42.5504 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(138, 154, 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(138, 154, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 154, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.2925, 31.4168, 42.5504 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, 170) }
```


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

```
.border{ border-color:rgb(138, 154, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 154, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 154, 170);  
box-shadow:4px 4px 4px 4px rgb(138, 154,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2925, 31.4168, 42.5504 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, 170) }
```

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

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