

Converting Colors

XYZ(29.3356, 31.7412, 41.6034)

Have a look what the booklet for
XYZ(29.3356, 31.7412, 41.6034)
contains.

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Color

**XYZ(29.2705, 31.6731,
41.6166)**

Conversions

Conversions Part 1

Format	Color
Hex	8A9BA8
RGB	138, 155, 168
RGB Percent	54%, 61%, 66%
CMY	0.4588, 0.3921, 0.3412
CMYK	0.18, 0.08, 0.00, 0.34
HSL	206°, 15%, 60%
HSV	206°, 18%, 66%
XYZ	29.2705, 31.6731, 41.6166
YIQ	151.3990, -14.3050, 0.4390

Conversions

Conversions Part 2

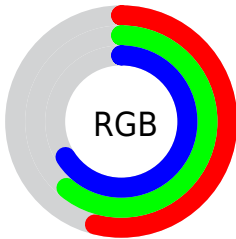
Format	Color
R_{YB}	138, 149, 168
Decimal	9083816
CIE _{Lab}	63.07, -3.18, -8.81
CIE _{LCh}	63, 9.368, 250.181
Yxy	31.6731, 0.2854, 0.3088
Android (android.graphics.Color)	4287273896 (0xFF8A9BA8)
YUV	151.3990, 8.1843, -11.7509
Hunter-Lab	56.2789, -5.6506, -4.4481

Details

The XYZ color **29.2705, 31.6731, 41.6166** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.8029, 32.2932, 28.6026**, and the grayscale version is **29.5575, 31.0968, 33.8644**.

A 20% lighter version of the original color is **57.8580, 62.1351, 78.7559**, and **12.1272, 13.2363, 18.4387** is the 20% darker color. If you saturate the color by 10%, you get **25.5282, 28.0001, 41.1054**, and if you desaturate by 10%, it is **33.5177, 35.7164, 42.1737**.

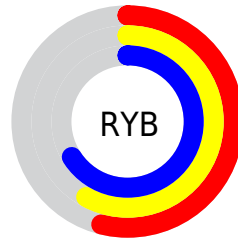
Distribution



Red (54%)

Green (61%)

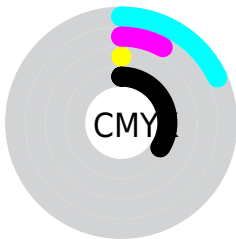
Blue (66%)



Red (54%)

Yellow (58%)

Blue (66%)

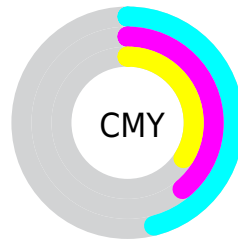


Cyan (18%)

Magenta (8%)

Yellow (0%)

Black (34%)



Cyan (46%)

Magenta (39%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2705, 31.6731, 41.6166 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 29.2705, 31.6731, 41.6166 by changing the saturation by 10% instead.

■ 29.2705, 31.6731,
41.6166

■ 29.2705, 31.6731,
41.6166

290.4603,
309.6274, 368.6438

■ 19.4309, 21.1119,
28.4779

■ 57.9012, 62.2983,
78.8828

■ 12.0879, 13.2058,
18.4440

■ 77.4229, 83.1310,
103.8474

■ 6.8762, 7.5704,
11.0965

■ 100.9027,
108.1565, 133.5911

■ 3.4304, 3.8213,
6.0168

128.7060,
137.7590, 168.5323

■ 1.3853, 1.5741,
2.7863

161.1980,
172.3229, 209.0897

■ 0.2457, 0.3401,
0.9866

198.7442,

■ 0.0000, 0.0000,

212.2327, 255.6817

0.0000

241.7098,
257.8727, 308.7269

■ 29.2705, 31.6731,
41.6166

■ 29.2705, 31.6731,
41.6166

■ 25.5282, 28.0001,
41.1054

■ 33.5177, 35.7164,
42.1737

■ 22.2669, 24.6808,
40.6366

■ 38.2867, 40.1382,
42.7758

■ 19.4652, 21.7030,
40.2095

■ 43.5970, 44.9511,
43.4249

■ 17.0984, 19.0521,
39.8225

■ 49.4661, 50.1659,
44.1221

■ 15.1396, 16.7120,
39.4741

■ 55.9109, 55.7930,
44.8686

■ 13.5585, 14.6650,
39.1623

■ 62.9474, 61.8423,
45.6654

■ 12.3200, 12.8908,
38.8851

■ 70.3689, 68.2091,
46.5031

■ 11.3666, 11.3574,
38.6394

■ 72.1616, 71.7945,
47.1007

■ 11.1791, 11.0495,
38.5899

■ 74.0366, 75.5444,
47.7257

Harmonies

Analogous

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



28.2473, 31.6731, 39.2800



29.2705, 31.6731, 41.6166



30.5453, 31.6731, 41.9680

Triad

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



29.2705, 31.6731, 41.6166



32.6143, 31.6731, 33.2452



28.5309, 31.6731, 29.3352

Complementary

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



29.2705, 31.6731, 41.6166



31.8029, 32.2932, 28.6026

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.



29.6677, 31.6731, 27.9518



29.2705, 31.6731, 41.6166



32.0410, 31.6731, 30.1000

Square

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



29.2705, 31.6731, 41.6166



32.5006, 31.6731, 36.9536



30.9538, 31.6731, 28.2214



27.8288, 31.6731, 32.1319

Rectangle

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



29.2705, 31.6731, 41.6166



31.3696, 31.6731, 41.0045



30.9538, 31.6731, 28.2214



28.8735, 31.6731, 28.6988

Sweetspot

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



29.2714, 31.6744, 41.6173



63.1182, 66.9604, 76.8230



30.0299, 35.6273, 34.3604



13.6339, 14.4796, 16.7284



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.



29.2714, 31.6744, 41.6173



50.6172, 55.0491, 75.1828



27.0012, 27.1339, 40.8606



7.4713, 7.9795, 9.5648



8.4936, 8.4474, 29.1583



0.2561, 0.3044, 0.7259

Inverse Universe

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



31.1541, 28.8692, 34.9421



54.6438, 49.2282, 60.8658



34.2820, 37.2514, 29.4289



7.7025, 7.6109, 8.7505



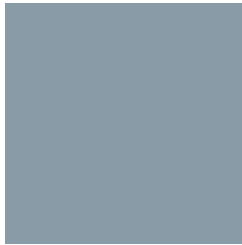
13.7878, 6.9238, 8.9600



0.3604, 0.1784, 0.3494

Previews

White Background



This preview shows how the XYZ color 29.2705, 31.6731, 41.6166 looks on a white background.

Color Contrast Check

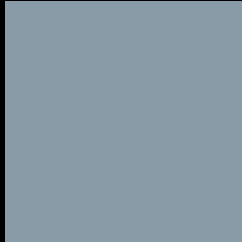
Large Text (above 18pt) WCAG AA × Fail

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 29.2705, 31.6731, 41.6166 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

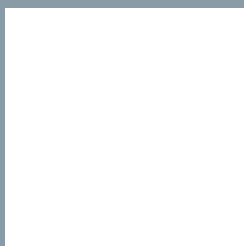
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2705, 31.6731, 41.6166

Background



This preview shows how black text looks on a background with the XYZ color 29.2705, 31.6731, 41.6166.



This preview shows how white text looks on a background with the XYZ color 29.2705, 31.6731,

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

29.2705, 31.6731, 41.6166

Protanopia

30.7120, 31.4657, 40.5312

Deuteranopia

32.0494, 31.4153, 41.9107



Tritanopia

29.1776, 31.6360, 41.1277

Trichromacy



Original Color

29.2705, 31.6731, 41.6166

Protanomaly

30.0573, 31.3575, 41.0276

Deuteranomaly

30.9905, 31.5771, 41.9977

Tritanomaly

29.1776, 31.6360, 41.1277

Monochromacy



Original Color

29.2705, 31.6731, 41.6166

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1681, 31.0018, 36.3449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2705, 31.6731, 41.6166 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, 155, 168)` looks like.

```
.text, #text, p{  
    color:rgb(138, 155, 168)  
}
```

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, 155, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 155, 168) }
```

Border

The CSS property to change the border of an element to XYZ 29.2705, 31.6731, 41.6166 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, 155, 168) }
```


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

```
.border{ border-color:rgb(138, 155, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 155, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 155, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 155, 168);  
box-shadow:4px 4px 4px 4px rgb(138, 155,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2705, 31.6731, 41.6166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 155, 168) }
```

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

```
.background{ background-color: rgb(138,  
155, 168) }
```

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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