

Converting Colors

XYZ(29.9852, 33.6404, 41.4726)

Have a look what the booklet for
XYZ(29.9852, 33.6404, 41.4726)
contains.

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Color

**XYZ(29.8733, 33.5140,
41.4536)**

Conversions

Conversions Part 1

Format	Color
Hex	88A1A7
RGB	136, 161, 167
RGB Percent	53%, 63%, 65%
CMY	0.4667, 0.3686, 0.3451
CMYK	0.19, 0.04, 0.00, 0.35
HSL	192°, 15%, 59%
HSV	192°, 19%, 65%
XYZ	29.8733, 33.5140, 41.4536
YIQ	154.2090, -16.8260, -3.4340

Conversions

Conversions Part 2

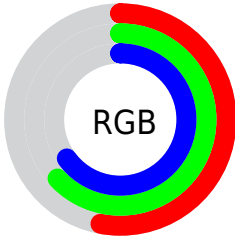
Format	Color
R_{YB}	136, 150, 167
Decimal	8954279
CIE _{Lab}	64.57, -7.35, -6.03
CIE _{LCh}	65, 9.511, 219.362
Y _{xy}	33.5140, 0.2849, 0.3197
Android (android.graphics.Color)	4287144359 (0xFF88A1A7)
YUV	154.2090, 6.3060, -15.9693
Hunter-Lab	57.8913, -9.1994, -1.9313

Details

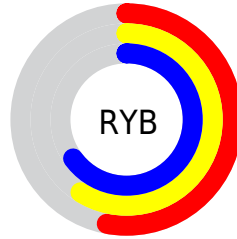
The XYZ color **29.8733, 33.5140, 41.4536** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.0537, 29.3392, 27.3723**, and the grayscale version is **30.7862, 32.3895, 35.2721**.

A 20% lighter version of the original color is **58.9759, 65.3328, 78.6094**, and **12.4009, 14.1535, 18.2980** is the 20% darker color. If you saturate the color by 10%, you get **26.8124, 31.1095, 41.1513**, and if you desaturate by 10%, it is **33.3733, 36.1684, 41.7820**.

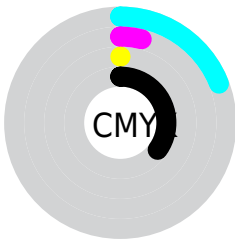
Distribution



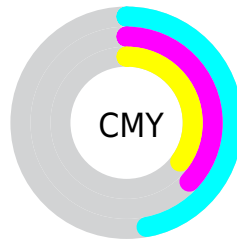
- Red (53%)
- Green (63%)
- Blue (65%)



- Red (53%)
- Yellow (59%)
- Blue (65%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (35%)



- Cyan (47%)
- Magenta (37%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8733, 33.5140, 41.4536 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 29.8733, 33.5140, 41.4536 by changing the saturation by 10% instead.

■ 29.8733, 33.5140,
41.4536

■ 29.8733, 33.5140,
41.4536

293.2339,
317.9595, 367.9455

■ 19.8900, 22.5205,
28.3513

■ 58.8498, 65.1772,
78.6331

■ 12.4229, 14.2398,
18.3493

■ 78.5737, 86.6156,
103.5475

■ 7.1066, 8.2877,
11.0290

■ 102.2751,
112.3046, 133.2362

■ 3.5758, 4.2796,
5.9720

130.3196,
142.6283, 168.1180

■ 1.4651, 1.8311,
2.7595

163.0723,
177.9713, 208.6112

■ 0.3019, 0.5065,
0.9732

200.8987,

■ 0.0000, 0.0000,

218.7179, 255.1346

0.0000

244.1641,
265.2525, 308.1065

■ 29.8733, 33.5140,
41.4536

■ 29.8733, 33.5140,
41.4536

■ 26.8124, 31.1095,
41.1513

■ 33.3733, 36.1684,
41.7820

■ 24.1682, 28.9403,
40.8720

■ 37.3280, 39.0780,
42.1352

■ 21.9204, 26.9969,
40.6154

■ 41.7555, 42.2535,
42.5148

■ 20.0460, 25.2671,
40.3803

■ 46.6722, 45.7032,
42.9215

■ 18.5194, 23.7377,
40.1655

■ 52.0937, 49.4355,
43.3562

■ 17.3118, 22.3935,
39.9697

■ 58.0348, 53.4581,
43.8195

■ 16.3895, 21.2171,
39.7913

■ 64.5098, 57.7785,
44.3121

■ 15.6907, 20.1764,
39.6272

■ 65.9543, 59.5283,
44.5737

■ 15.5958, 20.0314,
39.6042

■ 66.6468, 60.9134,
44.8046

Harmonies

Analogous

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



29.3411, 33.5140, 37.7238



29.8733, 33.5140, 41.4536



30.9405, 33.5140, 43.9636

Triad

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



29.8733, 33.5140, 41.4536



34.3663, 33.5140, 39.1969



31.4303, 33.5140, 29.5845

Complementary

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



29.8733, 33.5140, 41.4536



30.0537, 29.3392, 27.3723

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.



32.7854, 33.5140, 29.9171



29.8733, 33.5140, 41.4536



34.5065, 33.5140, 35.2855

Square

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



29.8733, 33.5140, 41.4536



33.5427, 33.5140, 42.5977



33.9205, 33.5140, 31.9413



30.2230, 33.5140, 30.9978

Rectangle

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



29.8733, 33.5140, 41.4536



31.8249, 33.5140, 44.5099



33.9205, 33.5140, 31.9413



31.8832, 33.5140, 29.4982

Sweetspot

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



29.8743, 33.5154, 41.4544



61.4296, 66.0097, 74.9787



28.8315, 34.8158, 30.6680



13.6520, 14.7014, 16.7703



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.



29.8743, 33.5154, 41.4544



51.3079, 58.3188, 74.0277



27.3797, 28.5263, 40.6228



7.6224, 8.2817, 9.6151



11.9680, 15.3962, 30.3165



0.3219, 0.4361, 0.7479

Inverse Universe

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



31.1744, 28.3978, 37.5580



54.0677, 47.6442, 65.7143



32.4689, 34.1698, 28.1774



7.7787, 7.6414, 9.1521



15.5415, 7.6253, 18.1949



0.3936, 0.1917, 0.5244

Previews

White Background



This preview shows how the XYZ color 29.8733, 33.5140, 41.4536 looks on a white background.

Color Contrast Check

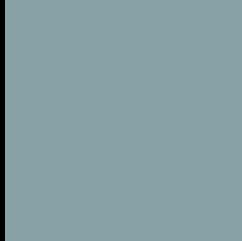
Large Text (above 18pt) WCAG AA × Fail

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 29.8733, 33.5140, 41.4536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

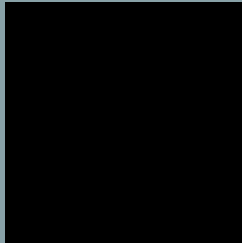
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8733, 33.5140, 41.4536

Background



This preview shows how black text looks on a background with the XYZ color 29.8733, 33.5140, 41.4536.



This preview shows how white text looks on a background with the XYZ color 29.8733, 33.5140,

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

29.8733, 33.5140, 41.4536

Protanopia

32.3268, 33.2911, 39.8440

Deuteranopia

34.1156, 33.4280, 42.1903



Tritanopia

30.4302, 33.4771, 44.3931

Trichromacy



Original Color

29.8733, 33.5140, 41.4536

Protanomaly

31.2429, 33.2201, 40.3628

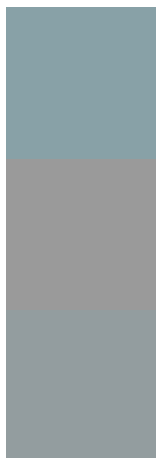
Deuteranomaly

32.3068, 33.2384, 41.7587

Tritanomaly

30.2380, 33.4003, 43.3813

Monochromacy



Original Color

29.8733, 33.5140, 41.4536

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.3476, 32.8202, 37.5363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8733, 33.5140, 41.4536 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, 161, 167)` looks like.

```
.text, #text, p{  
    color:rgb(136, 161, 167)  
}
```

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, 161, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 161, 167) }
```

Border

The CSS property to change the border of an element to XYZ 29.8733, 33.5140, 41.4536 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, 161, 167) }
```


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

```
.border{ border-color:rgb(136, 161, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 161, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 161, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 161, 167);  
box-shadow:4px 4px 4px 4px rgb(136, 161,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8733, 33.5140, 41.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 161, 167) }
```

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

```
.background{ background-color: rgb(136,  
161, 167) }
```

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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