

Converting Colors

XYZ(29.8465, 33.6783, 40.6702)

Have a look what the booklet for
XYZ(29.8465, 33.6783, 40.6702)
contains.

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Color

**XYZ(29.8652, 33.7915,
40.5457)**

Conversions

Conversions Part 1

Format	Color
Hex	88A2A5
RGB	136, 162, 165
RGB Percent	53%, 64%, 65%
CMY	0.4667, 0.3647, 0.3529
CMYK	0.18, 0.02, 0.00, 0.35
HSL	186°, 14%, 59%
HSV	186°, 18%, 65%
XYZ	29.8652, 33.7915, 40.5457
YIQ	154.5680, -16.4590, -4.5790

Conversions

Conversions Part 2

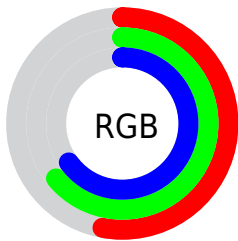
Format	Color
RYB	136, 150, 165
Decimal	8954533
CIELab	64.80, -8.34, -4.58
CIELCh	65, 9.516, 208.792
Yxy	33.7915, 0.2866, 0.3243
Android (android.graphics.Color)	4287144613 (0xFF88A2A5)
YUV	154.5680, 5.1430, -16.2841
Hunter-Lab	58.1305, -10.0218, -0.6632

Details

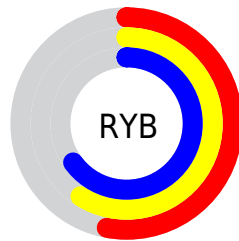
The XYZ color **29.8652, 33.7915, 40.5457** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1939, 28.2422, 27.2058**, and the grayscale version is **30.9490, 32.5607, 35.4586**.

A 20% lighter version of the original color is **58.9663, 65.7402, 77.2914**, and **12.3943, 14.3225, 17.7341** is the 20% darker color. If you saturate the color by 10%, you get **27.0909, 31.9191, 40.3311**, and if you desaturate by 10%, it is **33.0581, 35.8875, 40.7825**.

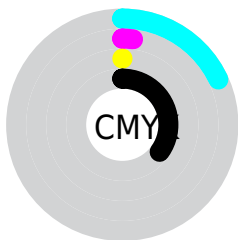
Distribution



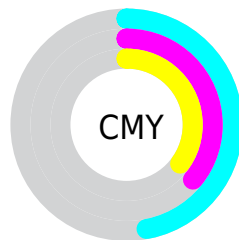
- Red (53%)
- Green (64%)
- Blue (65%)



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



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)



- Cyan (47%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8652, 33.7915, 40.5457 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 29.8652, 33.7915, 40.5457 by changing the saturation by 10% instead.

■ 29.8652, 33.7915,
40.5457

■ 29.8652, 33.7915,
40.5457

293.1967,
319.2014, 364.0385

■ 19.8839, 22.7335,
27.6473

■ 58.8370, 65.6093,
77.2399

■ 12.4184, 14.3968,
17.8232

■ 78.5582, 87.1379,
101.8728

■ 7.1035, 8.3972,
10.6550

■ 102.2567,
112.9254, 131.2542

■ 3.5738, 4.3501,
5.7241

130.2980,
143.3563, 165.8027

■ 1.4640, 1.8713,
2.6120

163.0472,
178.8149, 205.9369

■ 0.3011, 0.5310,
0.8986

200.8698,

■ 0.0000, 0.0000,

219.6857, 252.0752

0.0000

244.1312,
266.3531, 304.6362

■ 29.8652, 33.7915,
40.5457

■ 29.8652, 33.7915,
40.5457

■ 27.0909, 31.9191,
40.3311

■ 33.0581, 35.8875,
40.7825

■ 24.7134, 30.2565,
40.1354

■ 36.6843, 38.2120,
41.0401

■ 22.7135, 28.7945,
39.9587

■ 40.7614, 40.7751,
41.3199

■ 21.0689, 27.5216,
39.7997

■ 45.3050, 43.5848,
41.6228

■ 19.7554, 26.4254,
39.6573

■ 50.3302, 46.6489,
41.9494

■ 18.7454, 25.4916,
39.5303

■ 55.8512, 49.9748,
42.3003

■ 18.0069, 24.7036,
39.4171

■ 61.8817, 53.5695,
42.6763

■ 17.4878, 24.0347,
39.3154

■ 63.4882, 54.8899,
42.8465

■ 17.3728, 23.8790,
39.2914

■ 63.8239, 55.5612,
42.9584

Harmonies

Analogous

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



29.5567, 33.7915, 36.6344



29.8652, 33.7915, 40.5457



30.7728, 33.7915, 43.6266

Triad

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



29.8652, 33.7915, 40.5457



34.4228, 33.7915, 40.8402



32.1734, 33.7915, 29.7576

Complementary

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



29.8652, 33.7915, 40.5457



29.1939, 28.2422, 27.2058

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.



33.5015, 33.7915, 30.7134



29.8652, 33.7915, 40.5457



34.8227, 33.7915, 36.9524

Square

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



29.8652, 33.7915, 40.5457



33.4027, 33.7915, 43.8050



34.4809, 33.7915, 33.2797



30.8663, 33.7915, 30.5726

Rectangle

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



29.8652, 33.7915, 40.5457



31.6087, 33.7915, 44.6966



34.4809, 33.7915, 33.2797



32.6323, 33.7915, 29.8811

Sweetspot

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



29.8662, 33.7929, 40.5465



60.7430, 65.2659, 73.1484



28.2620, 34.0063, 29.4627



13.1886, 14.2097, 15.9851



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.8662, 33.7929, 40.5465



51.5078, 59.1957, 72.4635



27.4728, 29.0060, 39.7487



7.2133, 7.8856, 9.0450



13.1637, 18.1069, 29.7310



0.2933, 0.4139, 0.6303

Inverse Universe

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



30.8436, 28.2170, 38.0048



53.5954, 47.4141, 67.0063



31.4184, 32.6912, 27.9473



7.3326, 7.1895, 8.7380



15.7899, 7.6720, 21.8821



0.3402, 0.1646, 0.5042

Previews

White Background



This preview shows how the XYZ color 29.8652, 33.7915, 40.5457 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 29.8652, 33.7915, 40.5457 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

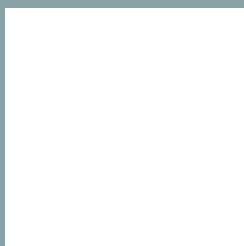
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8652, 33.7915, 40.5457

Background



This preview shows how black text looks on a background with the XYZ color 29.8652, 33.7915, 40.5457.

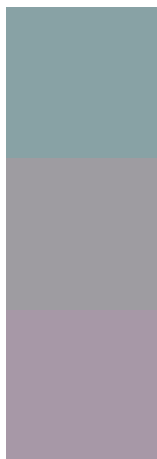


This preview shows how white text looks on a background with the XYZ color 29.8652, 33.7915,

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

29.8652, 33.7915, 40.5457

Protanopia

32.4220, 33.6192, 38.4986

Deuteranopia

34.1396, 33.4620, 41.2187



Tritanopia

30.7689, 33.9101, 44.4588

Trichromacy



Original Color

29.8652, 33.7915, 40.5457

Protanomaly

31.3261, 33.5464, 39.0065

Deuteranomaly

32.4817, 33.5980, 40.8495

Tritanomaly

30.3171, 33.7104, 42.9391

Monochromacy



Original Color

29.8652, 33.7915, 40.5457

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.6976, 33.2528, 37.6014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8652, 33.7915, 40.5457 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, 162, 165)` looks like.

```
.text, #text, p{  
    color:rgb(136, 162, 165)  
}
```

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, 162, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 162, 165) }
```

Border

The CSS property to change the border of an element to XYZ 29.8652, 33.7915, 40.5457 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, 162, 165) }
```


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

```
.border{ border-color:rgb(136, 162, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 162, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 162, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 162, 165);  
box-shadow:4px 4px 4px 4px rgb(136, 162,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8652, 33.7915, 40.5457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 162, 165) }
```

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

```
.background{ background-color: rgb(136,  
162, 165) }
```

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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