

Converting Colors

XYZ(29.8061, 35.1776, 40.6053)

Have a look what the booklet for
XYZ(29.8061, 35.1776, 40.6053)
contains.

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Color

**XYZ(29.8162, 35.0999,
40.8008)**

Conversions

Conversions Part 1

Format	Color
Hex	82A7A5
RGB	130, 167, 165
RGB Percent	51%, 65%, 65%
CMY	0.4902, 0.3451, 0.3529
CMYK	0.22, 0.00, 0.01, 0.35
HSL	177°, 17%, 58%
HSV	177°, 22%, 65%
XYZ	29.8162, 35.0999, 40.8008
YIQ	155.7090, -21.4100, -8.4660

Conversions

Conversions Part 2

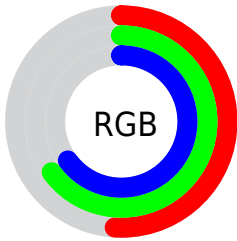
Format	Color
RYB	130, 149, 167
Decimal	8562597
CIELab	65.83, -12.96, -3.11
CIELCh	66, 13.332, 193.487
Yxy	35.0999, 0.2820, 0.3320
Android (android.graphics.Color)	4286752677 (0xFF82A7A5)
YUV	155.7090, 4.5805, -22.5468
Hunter-Lab	59.2452, -13.8457, 0.6399

Details

The XYZ color **29.8162, 35.0999, 40.8008** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.0851, 25.8477, 25.3402**, and the grayscale version is **31.4582, 33.0965, 36.0421**.

A 20% lighter version of the original color is **58.8067, 67.6002, 77.6588**, and **12.4196, 15.1592, 17.8942** is the 20% darker color. If you saturate the color by 10%, you get **27.3779, 33.8533, 40.2595**, and if you desaturate by 10%, it is **32.6729, 36.5639, 41.3662**.

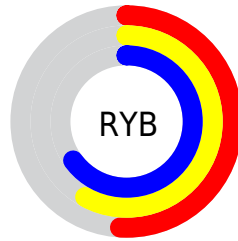
Distribution



Red (51%)

Green (65%)

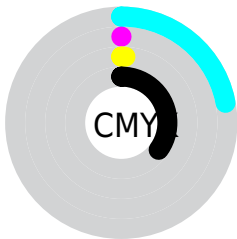
Blue (65%)



Red (51%)

Yellow (58%)

Blue (65%)

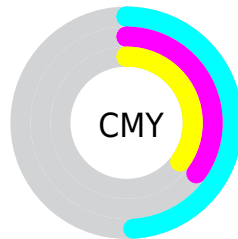


Cyan (22%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (49%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8162, 35.0999, 40.8008 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 29.8162, 35.0999, 40.8008 by changing the saturation by 10% instead.

■ 29.8162, 35.0999,
40.8008

■ 29.8162, 35.0999,
40.8008

292.9720,
325.0091, 365.1393

■ 19.8465, 23.7398,
27.8449

■ 58.7600, 67.6405,
77.6318

■ 12.3911, 15.1407,
17.9708

■ 78.4648, 89.5898,
102.3440

■ 7.0847, 8.9182,
10.7598

■ 102.1454,
115.8377, 131.8121

■ 3.5619, 4.6879,
5.7934

130.1671,
146.7685, 166.4546

■ 1.4574, 2.0653,
2.6531

162.8952,
182.7667, 206.6900

■ 0.2966, 0.6450,
0.9197

200.6952,

■ 0.0000, 0.0000,

224.2165, 252.9369

0.0000

243.9323,
271.5025, 305.6138

■ 29.8162, 35.0999,
40.8008

■ 29.8162, 35.0999,
40.8008

■ 27.3779, 33.8533,
40.2595

■ 32.6729, 36.5639,
41.3662

■ 25.3350, 32.8095,
39.7390

■ 35.9636, 38.2507,
41.9542

■ 23.6667, 31.9588,
39.2391

■ 39.7068, 40.1708,
42.5664

■ 22.3492, 31.2889,
38.7586

■ 43.9193, 42.3327,
43.2036

■ 21.3562, 30.7862,
38.2963

■ 48.6166, 44.7444,
43.8666

■ 20.6573, 30.4351,
37.8508

■ 53.8138, 47.4138,
44.5560

■ 20.2167, 30.2170,
37.4203

■ 59.5253, 50.3482,
45.2726

■ 19.9880, 30.1062,
37.0902

■ 62.5279, 51.8861,
45.8655

■ 62.6152, 51.9210,
46.3250

Harmonies

Analogous

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



29.8642, 35.0999, 35.2203



29.8162, 35.0999, 40.8008



30.6912, 35.0999, 46.1694

Triad

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



29.8162, 35.0999, 40.8008



36.0332, 35.0999, 46.6298



34.4483, 35.0999, 28.7429

Complementary

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



29.8162, 35.0999, 40.8008



28.0851, 25.8477, 25.3402

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.



36.1821, 35.0999, 31.2360



29.8162, 35.0999, 40.8008



37.1215, 35.0999, 41.3808

Square

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



29.8162, 35.0999, 40.8008



34.2515, 35.0999, 49.7513



37.1770, 35.0999, 35.7462



32.4868, 35.0999, 28.6206

Rectangle

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



29.8162, 35.0999, 40.8008



31.7010, 35.0999, 48.7558



37.1770, 35.0999, 35.7462



35.0788, 35.0999, 29.3195

Sweetspot

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



29.8172, 35.1013, 40.8016



61.3769, 66.9488, 74.6051



27.4379, 34.1939, 26.2737



13.6612, 14.9441, 16.6820



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.



29.8172, 35.1013, 40.8016



50.9782, 61.6229, 72.5472



27.2433, 29.6595, 40.8499



7.7298, 8.5249, 9.5630



15.3002, 23.0389, 28.4116



0.3774, 0.5626, 0.7181

Inverse Universe

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



28.0851, 25.8477, 25.3402



47.2746, 41.8320, 39.4835



30.2509, 30.3965, 25.3925



7.5470, 7.5486, 7.9315



12.2385, 6.3041, 0.8016



0.3027, 0.1554, 0.0457

Previews

White Background



This preview shows how the XYZ color 29.8162, 35.0999, 40.8008 looks on a white background.

Color Contrast Check

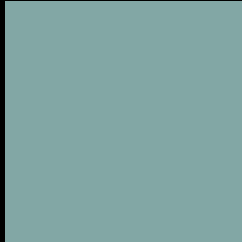
Large Text (above 18pt) WCAG AA × Fail

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 29.8162, 35.0999, 40.8008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

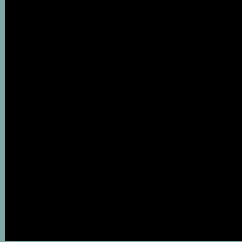
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8162, 35.0999, 40.8008

Background



This preview shows how black text looks on a background with the XYZ color 29.8162, 35.0999, 40.8008.

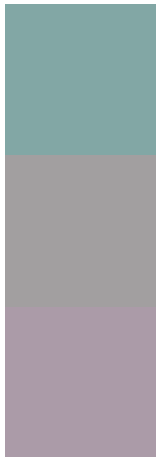


This preview shows how white text looks on a background with the XYZ color 29.8162, 35.0999,

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

29.8162, 35.0999, 40.8008

Protanopia

33.6436, 35.0157, 38.2432

Deuteranopia

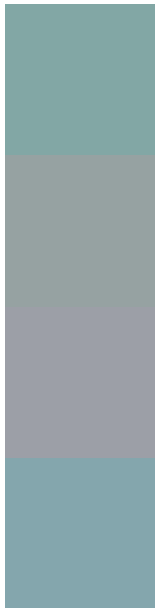
35.5838, 34.9278, 41.9121



Tritanopia

31.1639, 35.1112, 47.2541

Trichromacy



Original Color

29.8162, 35.0999, 40.8008

Protanomaly

32.0196, 34.9333, 39.2376

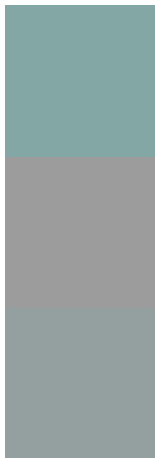
Deuteranomaly

33.0835, 34.6542, 41.5045

Tritanomaly

30.6948, 35.1951, 44.7107

Monochromacy



Original Color

29.8162, 35.0999, 40.8008

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.8614, 33.8479, 37.7076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8162, 35.0999, 40.8008 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(130, 167, 165)` looks like.

```
.text, #text, p{  
    color:rgb(130, 167, 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(130, 167, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 167, 165) }
```

Border

The CSS property to change the border of an element to XYZ 29.8162, 35.0999, 40.8008 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(130, 167, 165) }
```


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

```
.border{ border-color:rgb(130, 167, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 167, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 167, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 167, 165);  
box-shadow:4px 4px 4px 4px rgb(130, 167,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8162, 35.0999, 40.8008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 167, 165) }
```

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

```
.background{ background-color: rgb(130,  
167, 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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