

Converting Colors

XYZ(29.7906, 35.4057, 42.4563)

Have a look what the booklet for
XYZ(29.7906, 35.4057, 42.4563)
contains.

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Color

**XYZ(29.6747, 35.2680,
42.2892)**

Conversions

Conversions Part 1

Format	Color
Hex	7EA8A8
RGB	126, 168, 168
RGB Percent	49%, 66%, 66%
CMY	0.5059, 0.3412, 0.3412
CMYK	0.25, 0.00, 0.00, 0.34
HSL	180°, 19%, 58%
HSV	180°, 25%, 66%
XYZ	29.6747, 35.2680, 42.2892
YIQ	155.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

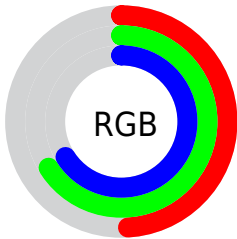
Format	Color
RYB	126, 147, 168
Decimal	8300712
CIELab	65.96, -14.06, -4.62
CIElCh	66, 14.803, 198.173
Yxy	35.2680, 0.2767, 0.3289
Android (android.graphics.Color)	4286490792 (0xFF7EA8A8)
YUV	155.4420, 6.1911, -25.8206
Hunter-Lab	59.3869, -14.7333, -0.6494

Details

The XYZ color **29.6747, 35.2680, 42.2892** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.3764, 24.7539, 23.0752**, and the grayscale version is **31.3337, 32.9655, 35.8995**.

A 20% lighter version of the original color is **58.5293, 67.8064, 79.8151**, and **12.2994, 15.2476, 18.8178** is the 20% darker color. If you saturate the color by 10%, you get **27.4027, 34.0976, 42.1832**, and if you desaturate by 10%, it is **32.3648, 36.6557, 42.4162**.

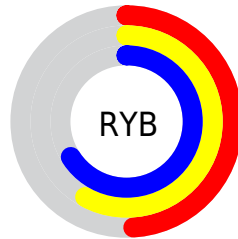
Distribution



Red (49%)

Green (66%)

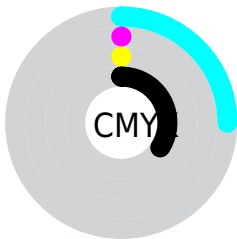
Blue (66%)



Red (49%)

Yellow (58%)

Blue (66%)

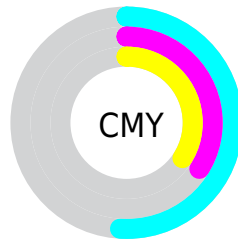


Cyan (25%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (51%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6747, 35.2680, 42.2892 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 29.6747, 35.2680, 42.2892 by changing the saturation by 10% instead.

■ 29.6747, 35.2680,
42.2892

■ 29.6747, 35.2680,
42.2892

292.3223,
325.7497, 371.5153

■ 19.7387, 23.8694,
29.0005

■ 58.5375, 67.9007,
79.9119

■ 12.3124, 15.2368,
18.8357

■ 78.1950, 89.9037,
105.0831

■ 7.0305, 8.9857,
11.3760

■ 101.8237,
116.2101, 135.0522

■ 3.5277, 4.7319,
6.2030

129.7889,
147.2046, 170.2377

■ 1.4386, 2.0908,
2.8981

162.4560,
183.2713, 211.0583

■ 0.2835, 0.6595,
1.0428

200.1904,

■ 0.0000, 0.0000,

224.7948, 257.9324

0.0000

243.3574,
272.1595, 311.2786

■ 29.6747, 35.2680,
42.2892

■ 29.6747, 35.2680,
42.2892

■ 27.4027, 34.0976,
42.1832

■ 32.3648, 36.6557,
42.4162

■ 25.5249, 33.1296,
42.0950

■ 35.4893, 38.2664,
42.5628

■ 24.0199, 32.3538,
42.0242

■ 39.0672, 40.1109,
42.7307

■ 22.8628, 31.7573,
41.9696

■ 43.1157, 42.1980,
42.9205

■ 22.0257, 31.3258,
41.9301

■ 47.6510, 44.5360,
43.1331

■ 21.4766, 31.0427,
41.9040

■ 52.6885, 47.1329,
43.3693

■ 21.1759, 30.8876,
41.8896

■ 58.2428, 49.9963,
43.6296

■ 21.0707, 30.8334,
41.8844

■ 62.3118, 52.0939,
43.8204

■ 62.3119, 52.0939,
43.8208

Harmonies

Analogous

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



29.5635, 35.2680, 35.9801



29.6747, 35.2680, 42.2892



30.7888, 35.2680, 48.1141

Triad

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



29.6747, 35.2680, 42.2892



36.7603, 35.2680, 47.0245



34.3923, 35.2680, 27.7584

Complementary

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



29.6747, 35.2680, 42.2892



27.3764, 24.7539, 23.0752

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.



36.4107, 35.2680, 30.0916



29.6747, 35.2680, 42.2892



37.8172, 35.2680, 40.9278

Square

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



29.6747, 35.2680, 42.2892



34.8527, 35.2680, 51.0465



37.6865, 35.2680, 34.7585



32.2240, 35.2680, 28.0378

Rectangle

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



29.6747, 35.2680, 42.2892



31.9787, 35.2680, 50.7290



37.6865, 35.2680, 34.7585



35.1125, 35.2680, 28.2517

Sweetspot

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



29.6757, 35.2694, 42.2900



62.5266, 68.4725, 77.1455



26.4774, 34.0021, 24.9070



13.4449, 14.8296, 16.8058



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.



29.6757, 35.2694, 42.2900



51.4685, 62.7719, 76.6265



26.2160, 28.3497, 41.1377



7.7476, 8.5321, 9.6568



15.9111, 23.2832, 31.6281



0.3871, 0.5665, 0.7695

Inverse Universe

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



27.3764, 24.7539, 23.0752



46.5709, 40.3733, 35.6979



30.2408, 30.4828, 24.0293



7.5311, 7.5423, 7.8482



12.1947, 6.2866, 0.5709



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 29.6747, 35.2680, 42.2892 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 29.6747, 35.2680, 42.2892 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

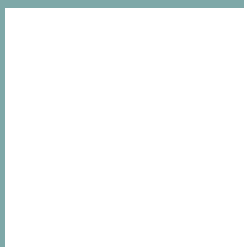
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6747, 35.2680, 42.2892

Background



This preview shows how black text looks on a background with the XYZ color 29.6747, 35.2680, 42.2892.

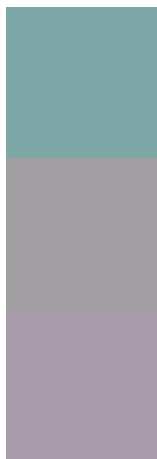


This preview shows how white text looks on a background with the XYZ color 29.6747, 35.2680,

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

29.6747, 35.2680, 42.2892

Protanopia

33.9093, 35.1220, 39.6423

Deuteranopia

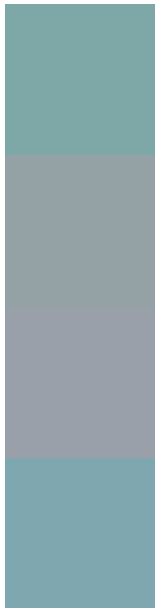
35.6496, 34.9290, 43.3911



Tritanopia

30.7765, 35.1569, 48.3439

Trichromacy



Original Color

29.6747, 35.2680, 42.2892

Protanomaly

32.1063, 34.9468, 40.6505

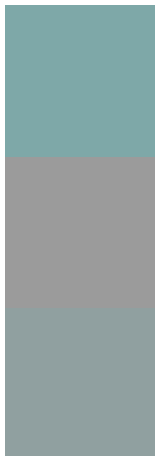
Deuteranomaly

33.1529, 34.9139, 43.0219

Tritanomaly

30.4076, 35.2840, 46.2821

Monochromacy



Original Color

29.6747, 35.2680, 42.2892

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.4176, 33.6090, 38.1417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6747, 35.2680, 42.2892 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(126, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(126, 168, 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(126, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 168, 168) }
```

Border

The CSS property to change the border of an element to XYZ 29.6747, 35.2680, 42.2892 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(126, 168, 168) }
```


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

```
.border{ border-color:rgb(126, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(126, 168,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6747, 35.2680, 42.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 168, 168) }
```

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

```
.background{ background-color: rgb(126,  
168, 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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