

Converting Colors

XYZ(29.7283, 35.4860, 41.7906)

Have a look what the booklet for
XYZ(29.7283, 35.4860, 41.7906)
contains.

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Color

**XYZ(29.7672, 35.6016,
41.8621)**

Conversions

Conversions Part 1

Format	Color
Hex	7EA9A7
RGB	126, 169, 167
RGB Percent	49%, 66%, 65%
CMY	0.5059, 0.3372, 0.3451
CMYK	0.25, 0.00, 0.01, 0.34
HSL	177°, 20%, 58%
HSV	177°, 25%, 66%
XYZ	29.7672, 35.6016, 41.8621
YIQ	155.9150, -24.9860, -9.7380

Conversions

Conversions Part 2

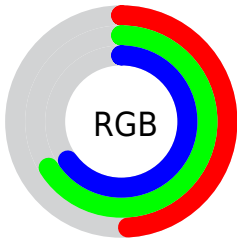
Format	Color
R_{YB}	126, 148, 169
Decimal	8300967
CIE _{Lab}	66.21, -14.82, -3.68
CIE _{LCh}	66, 15.273, 193.942
Yxy	35.6016, 0.2776, 0.3320
Android (android.graphics.Color)	4286491047 (0xFF7EA9A7)
YUV	155.9150, 5.4649, -26.2355
Hunter-Lab	59.6671, -15.3658, 0.1694

Details

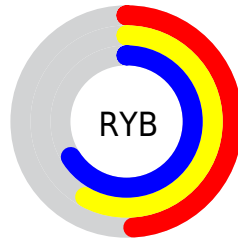
The XYZ color **29.7672, 35.6016, 41.8621** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.7206, 24.9162, 23.7718**, and the grayscale version is **31.5472, 33.1902, 36.1441**.

A 20% lighter version of the original color is **58.6629, 68.2885, 79.1964**, and **12.3575, 15.4562, 18.5517** is the 20% darker color. If you saturate the color by 10%, you get **27.4104, 34.3959, 41.3739**, and if you desaturate by 10%, it is **32.5475, 37.0274, 42.3739**.

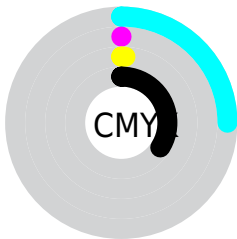
Distribution



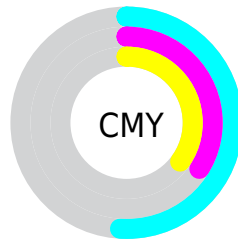
- Red (49%)
- Green (66%)
- Blue (65%)



- Red (49%)
- Yellow (58%)
- Blue (66%)



- Cyan (25%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)



- Cyan (51%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7672, 35.6016, 41.8621 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 29.7672, 35.6016, 41.8621 by changing the saturation by 10% instead.

■ 29.7672, 35.6016,
41.8621

■ 29.7672, 35.6016,
41.8621

292.7471,
327.2158, 369.6938

■ 19.8091, 24.1267,
28.6686

■ 58.6830, 68.4167,
79.2587

■ 12.3638, 15.4276,
18.5868

■ 78.3714, 90.5257,
104.2989

■ 7.0659, 9.1200,
11.1983

■ 102.0340,
116.9481, 134.1250

■ 3.5501, 4.8196,
6.0845

130.0362,
148.0683, 169.1556

■ 1.4509, 2.1418,
2.8269

162.7432,
184.2709, 209.8092

■ 0.2920, 0.6880,
1.0070

200.5205,

■ 0.0000, 0.0000,

225.9400, 256.5044

0.0000

243.7333,
273.4602, 309.6598

■ 29.7672, 35.6016,
41.8621

■ 29.7672, 35.6016,
41.8621

■ 27.4104, 34.3959,
41.3739

■ 32.5475, 37.0274,
42.3739

■ 25.4529, 33.3951,
40.9060

■ 35.7680, 38.6791,
42.9079

■ 23.8727, 32.5888,
40.4580

■ 39.4479, 40.5677,
43.4657

■ 22.6445, 31.9639,
40.0288

■ 43.6048, 42.7020,
44.0482

■ 21.7400, 31.5057,
39.6170

■ 48.2551, 45.0907,
44.6561

■ 21.1262, 31.1974,
39.2211

■ 53.4145, 47.7418,
45.2901

■ 20.7616, 31.0175,
38.8392

■ 59.0980, 50.6630,
45.9510

■ 20.6335, 30.9552,
38.6677

■ 63.0002, 52.6658,
46.5309

■ 63.0767, 52.6965,
46.9340

Harmonies

Analogous

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



29.8056, 35.6016, 35.4005



29.7672, 35.6016, 41.8621



30.7848, 35.6016, 48.1253

Triad

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



29.7672, 35.6016, 41.8621



36.9660, 35.6016, 48.5042



35.0629, 35.6016, 27.9268

Complementary

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



29.7672, 35.6016, 41.8621



27.7206, 24.9162, 23.7718

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.



37.0873, 35.6016, 30.7031



29.7672, 35.6016, 41.8621



38.2192, 35.6016, 42.3343

Square

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



29.7672, 35.6016, 41.8621



34.9034, 35.6016, 52.2408



38.2645, 35.6016, 35.8228



32.7950, 35.6016, 27.8307

Rectangle

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



29.7672, 35.6016, 41.8621



31.9525, 35.6016, 51.1450



38.2645, 35.6016, 35.8228



35.7968, 35.6016, 28.5622

Sweetspot

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



29.7682, 35.6030, 41.8629



62.4192, 68.4295, 76.5800



26.8796, 34.4846, 24.9788



13.4173, 14.8186, 16.6605



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.



29.7682, 35.6030, 41.8629



50.6433, 62.3942, 74.4311



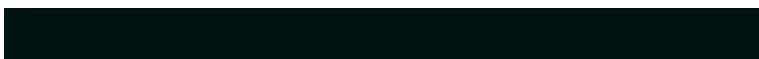
26.6172, 29.0025, 41.7330



7.7322, 8.5259, 9.5761



15.3829, 23.0719, 28.8471



0.3787, 0.5631, 0.7252

Inverse Universe

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



27.7206, 24.9162, 23.7718



46.2945, 39.6912, 36.0042



30.3083, 30.3005, 23.9905



7.5447, 7.5478, 7.9198



12.2324, 6.3017, 0.7694



0.3019, 0.1550, 0.0413

Previews

White Background



This preview shows how the XYZ color 29.7672, 35.6016, 41.8621 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 29.7672, 35.6016, 41.8621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

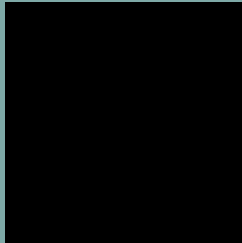
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7672, 35.6016, 41.8621

Background



This preview shows how black text looks on a background with the XYZ color 29.7672, 35.6016, 41.8621.



This preview shows how white text looks on a background with the XYZ color 29.7672, 35.6016,

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

29.7672, 35.6016, 41.8621

Protanopia

34.1967, 35.5368, 39.2393

Deuteranopia

36.1574, 35.4499, 42.9670



Tritanopia

31.1102, 35.5998, 48.4118

Trichromacy



Original Color

29.7672, 35.6016, 41.8621

Protanomaly

32.3757, 35.3588, 40.2405

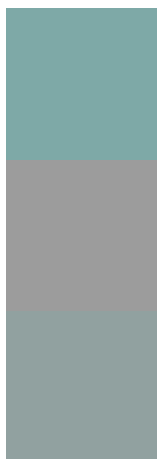
Deuteranomaly

33.4239, 35.3229, 42.5925

Tritanomaly

30.6426, 35.6896, 45.8312

Monochromacy



Original Color

29.7672, 35.6016, 41.8621

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.7671, 34.0475, 38.2079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7672, 35.6016, 41.8621 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, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(126, 169, 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(126, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 169, 167) }
```

Border

The CSS property to change the border of an element to XYZ 29.7672, 35.6016, 41.8621 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, 169, 167) }
```


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

```
.border{ border-color:rgb(126, 169, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 169, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 169, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 169, 167);  
box-shadow:4px 4px 4px 4px rgb(126, 169,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7672, 35.6016, 41.8621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 169, 167) }
```

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

```
.background{ background-color: rgb(126,  
169, 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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