

Converting Colors

XYZ(27.5998, 32.9972, 41.8339)

Have a look what the booklet for
XYZ(27.5998, 32.9972, 41.8339)
contains.

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Color

**XYZ(27.6795, 33.1600,
41.9874)**

Conversions

Conversions Part 1

Format	Color
Hex	75A4A8
RGB	117, 164, 168
RGB Percent	46%, 64%, 66%
CMY	0.5412, 0.3569, 0.3412
CMYK	0.30, 0.02, 0.00, 0.34
HSL	185°, 23%, 56%
HSV	185°, 30%, 66%
XYZ	27.6795, 33.1600, 41.9874
YIQ	150.4030, -29.2960, -8.7200

Conversions

Conversions Part 2

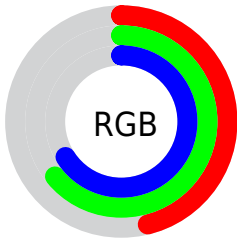
Format	Color
RYB	117, 141, 168
Decimal	7709864
CIELab	64.29, -14.66, -7.14
CIELCh	64, 16.308, 205.975
Yxy	33.1600, 0.2692, 0.3225
Android (android.graphics.Color)	4285899944 (0xFF75A4A8)
YUV	150.4030, 8.6753, -29.2944
Hunter-Lab	57.5847, -14.9729, -2.9215

Details

The XYZ color **27.6795, 33.1600, 41.9874** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.1972, 23.2843, 19.9440**, and the grayscale version is **29.1346, 30.6519, 33.3799**.

A 20% lighter version of the original color is **55.4454, 64.6487, 79.3682**, and **11.1933, 14.0075, 18.6368** is the 20% darker color. If you saturate the color by 10%, you get **25.3875, 31.6311, 41.8137**, and if you desaturate by 10%, it is **30.3810, 34.9052, 42.1824**.

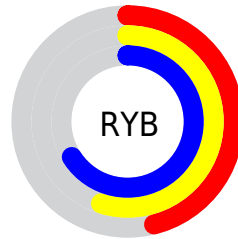
Distribution



Red (46%)

Green (64%)

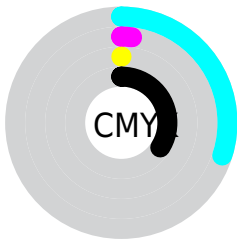
Blue (66%)



Red (46%)

Yellow (55%)

Blue (66%)

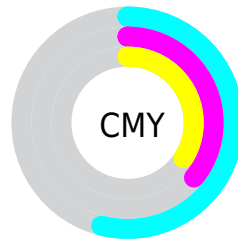


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (34%)



Cyan (54%)

Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6795, 33.1600, 41.9874 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 27.6795, 33.1600, 41.9874 by changing the saturation by 10% instead.

■ 27.6795, 33.1600,
41.9874

■ 27.6795, 33.1600,
41.9874

283.0402,
316.3701, 370.2288

■ 18.2234, 22.2490,
28.7659

■ 55.3846, 64.6252,
79.4504

■ 11.2112, 14.0400,
18.6598

■ 74.3643, 85.9483,
104.5291

■ 6.2774, 8.1485,
11.2504

■ 97.2492, 111.5109,
134.3972

■ 3.0567, 4.1901,
6.1192

124.4048,
141.6974, 169.4733

■ 1.1838, 1.7805,
2.8477

156.1963,
176.8921, 210.1760

■ 0.0936, 0.4750,
1.0174

192.9891,

■ 0.0000, 0.0000,

217.4796, 256.9238

0.0000

235.1487,
263.8441, 310.1352

■ 27.6795, 33.1600,
41.9874

■ 27.6795, 33.1600,
41.9874

■ 25.3875, 31.6311,
41.8137

■ 30.3810, 34.9052,
42.1824

■ 23.4803, 30.3035,
41.6579

■ 33.5092, 36.8732,
42.3974

■ 21.9354, 29.1662,
41.5198

■ 37.0838, 39.0750,
42.6340

■ 20.7263, 28.2055,
41.3981

■ 41.1223, 41.5196,
42.8930

■ 19.8231, 27.4062,
41.2914

■ 45.6415, 44.2156,
43.1752

■ 19.1906, 26.7500,
41.1981

■ 50.6571, 47.1713,
43.4814

■ 18.7612, 26.2136,
41.1172

■ 56.1843, 50.3944,
43.8121

■ 62.2376, 53.8923,
44.1683

■ 63.8051, 55.0815,
44.3152

Harmonies

Analogous

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



27.2788, 33.1600, 35.2172



27.6795, 33.1600, 41.9874



29.0897, 33.1600, 47.7470

Triad

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



27.6795, 33.1600, 41.9874



35.3563, 33.1600, 43.7266



31.8314, 33.1600, 24.8143

Complementary

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



27.6795, 33.1600, 41.9874



26.1972, 23.2843, 19.9440

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.



34.0770, 33.1600, 26.5292



27.6795, 33.1600, 41.9874



36.1742, 33.1600, 37.0088

Square

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



27.6795, 33.1600, 41.9874



33.5095, 33.1600, 48.8344



35.6950, 33.1600, 30.8005



29.6062, 33.1600, 25.8065

Rectangle

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



27.6795, 33.1600, 41.9874



30.4501, 33.1600, 49.9539



35.6950, 33.1600, 30.8005



32.6097, 33.1600, 25.0870

Sweetspot

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



27.6805, 33.1613, 41.9882



61.5359, 67.3642, 76.9844



24.7540, 33.1536, 22.9923



13.2253, 14.5663, 16.7667



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.



27.6805, 33.1613, 41.9882



47.5225, 58.3807, 75.9890



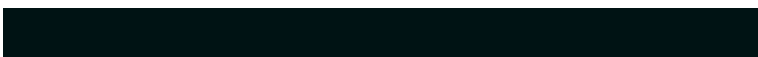
23.6519, 25.1041, 40.6453



7.6965, 8.4299, 9.6398



14.1847, 19.8295, 31.0554



0.3594, 0.5110, 0.7603

Inverse Universe

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



29.2114, 23.7286, 38.1639



50.7577, 38.7756, 67.8339



29.6235, 30.1369, 21.0861



7.8162, 7.6563, 9.3491



16.6604, 8.0729, 24.0867



0.4125, 0.1993, 0.6239

Previews

White Background



This preview shows how the XYZ color 27.6795, 33.1600, 41.9874 looks on a white background.

Color Contrast Check

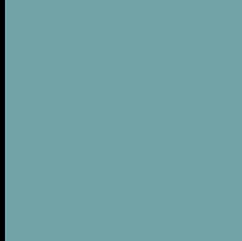
Large Text (above 18pt) WCAG AA × Fail

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 27.6795, 33.1600, 41.9874 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

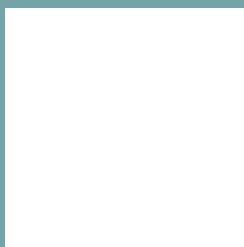
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6795, 33.1600, 41.9874

Background



This preview shows how black text looks on a background with the XYZ color 27.6795, 33.1600, 41.9874.

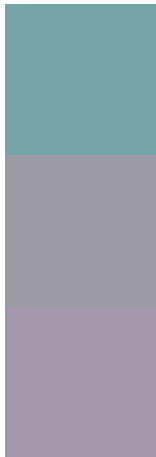


This preview shows how white text looks on a background with the XYZ color 27.6795, 33.1600,

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

27.6795, 33.1600, 41.9874

Protanopia

31.7875, 32.7878, 38.8357

Deuteranopia

33.5216, 32.8600, 43.1039



Tritanopia

28.5414, 33.2509, 45.9881

Trichromacy



Original Color

27.6795, 33.1600, 41.9874

Protanomaly

30.0830, 32.8848, 39.8838

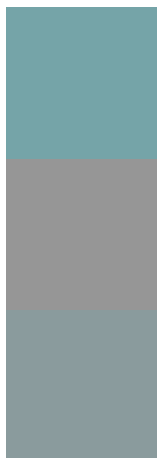
Deuteranomaly

30.9982, 32.7902, 42.7256

Tritanomaly

28.1112, 33.0631, 44.4354

Monochromacy



Original Color

27.6795, 33.1600, 41.9874

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.2884, 31.2803, 36.4450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6795, 33.1600, 41.9874 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(117, 164, 168)` looks like.

```
.text, #text, p{  
    color:rgb(117, 164, 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(117, 164, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 164, 168) }
```

Border

The CSS property to change the border of an element to XYZ 27.6795, 33.1600, 41.9874 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(117, 164, 168) }
```


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

```
.border{ border-color:rgb(117, 164, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 164, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 164, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 164, 168);  
box-shadow:4px 4px 4px 4px rgb(117, 164,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6795, 33.1600, 41.9874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 164, 168) }
```

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

```
.background{ background-color: rgb(117,  
164, 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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