

Converting Colors

XYZ(27.9623, 34.2314, 40.5223)

Have a look what the booklet for
XYZ(27.9623, 34.2314, 40.5223)
contains.

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Color

**XYZ(27.9464, 34.1360,
40.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	75A7A5
RGB	117, 167, 165
RGB Percent	46%, 65%, 65%
CMY	0.5412, 0.3451, 0.3529
CMYK	0.30, 0.00, 0.01, 0.35
HSL	178°, 22%, 56%
HSV	178°, 30%, 65%
XYZ	27.9464, 34.1360, 40.7133
YIQ	151.8220, -29.1580, -11.2220

Conversions

Conversions Part 2

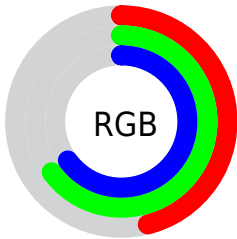
Format	Color
RYB	117, 143, 167
Decimal	7710629
CIELab	65.07, -16.96, -4.31
CIElCh	65, 17.500, 194.256
Yxy	34.1360, 0.2719, 0.3321
Android (android.graphics.Color)	4285900709 (0xFF75A7A5)
YUV	151.8220, 6.4968, -30.5389
Hunter-Lab	58.4260, -16.8652, -0.4171

Details

The XYZ color **27.9464, 34.1360, 40.7133** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.6286, 22.2710, 20.4021**, and the grayscale version is **29.7510, 31.3004, 34.0861**.

A 20% lighter version of the original color is **55.8341, 66.0678, 77.5197**, and **11.3581, 14.6120, 17.8445** is the 20% darker color. If you saturate the color by 10%, you get **25.8392, 33.0576, 40.2985**, and if you desaturate by 10%, it is **30.4562, 35.4237, 41.1501**.

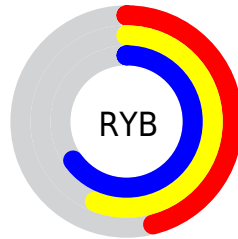
Distribution



Red (46%)

Green (65%)

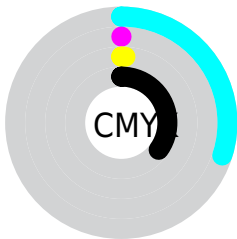
Blue (65%)



Red (46%)

Yellow (56%)

Blue (65%)

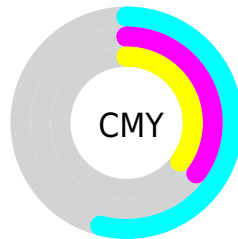


Cyan (30%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (54%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9464, 34.1360, 40.7133 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 27.9464, 34.1360, 40.7133 by changing the saturation by 10% instead.

■ 27.9464, 34.1360,
40.7133

■ 27.9464, 34.1360,
40.7133

284.2954,
320.7380, 364.7620

■ 18.4255, 22.9981,
27.7771

■ 55.8081, 66.1451,
77.4974

■ 11.3574, 14.5921,
17.9201

■ 74.8796, 87.7851,
102.1824

■ 6.3769, 8.5336,
10.7238

■ 97.8654, 113.6946,
131.6208

■ 3.1184, 4.4383,
5.7696

125.1308,
144.2579, 166.2311

■ 1.2167, 1.9216,
2.6390

157.0411,
179.8596, 206.4318

■ 0.1195, 0.5613,
0.9125

193.9617,

■ 0.0000, 0.0000,

220.8839, 252.6415

0.0000

236.2581,
267.7152, 305.2787

■ 27.9464, 34.1360,
40.7133

■ 27.9464, 34.1360,
40.7133

■ 25.8392, 33.0576,
40.2985

■ 30.4562, 35.4237,
41.1501

■ 24.1104, 32.1733,
39.9023

■ 33.3853, 36.9266,
41.6074

■ 22.7377, 31.4726,
39.5245

■ 36.7532, 38.6557,
42.0870

■ 21.6953, 30.9421,
39.1637

■ 40.5772, 40.6199,
42.5895

■ 20.9539, 30.5668,
38.8187

■ 44.8736, 42.8275,
43.1158

■ 20.4790, 30.3288,
38.4878

■ 49.6581, 45.2868,
43.6667

■ 20.1938, 30.1886,
38.1675

■ 54.9454, 48.0052,
44.2427

■ 20.1922, 30.1878,
38.1656

■ 60.7498, 50.9902,
44.8447

■ 62.4119, 51.8397,
45.2544

Harmonies

Analogous

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



27.9761, 34.1360, 33.5076



27.9464, 34.1360, 40.7133



29.0777, 34.1360, 47.7869

Triad

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



27.9464, 34.1360, 40.7133



35.9673, 34.1360, 48.0905



33.7859, 34.1360, 25.2857

Complementary

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



27.9464, 34.1360, 40.7133



25.6286, 22.2710, 20.4021

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.



36.0632, 34.1360, 28.2522



27.9464, 34.1360, 40.7133



37.3667, 34.1360, 41.0863

Square

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



27.9464, 34.1360, 40.7133



33.6605, 34.1360, 52.4070



37.4027, 34.1360, 33.8353



31.2596, 34.1360, 25.2133

Rectangle

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



27.9464, 34.1360, 40.7133



30.3737, 34.1360, 51.2145



37.4027, 34.1360, 33.8353



34.6089, 34.1360, 25.9583

Sweetspot

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



27.9474, 34.1374, 40.7141



60.2286, 66.3563, 74.5783



24.7072, 32.8806, 21.8747



13.3003, 14.7580, 16.6628



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.



27.9474, 34.1374, 40.7141



47.4390, 59.7977, 72.4097



24.3614, 26.6714, 40.4249



7.7344, 8.5268, 9.5874



15.4551, 23.1008, 29.2268



0.3799, 0.5636, 0.7313

Inverse Universe

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



25.6286, 22.2710, 20.4021



42.6039, 35.0460, 30.0491



28.4537, 28.1114, 20.7567



7.5428, 7.5470, 7.9098



12.2271, 6.2996, 0.7416



0.3012, 0.1547, 0.0375

Previews

White Background



This preview shows how the XYZ color 27.9464, 34.1360, 40.7133 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 27.9464, 34.1360, 40.7133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

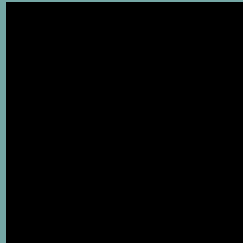
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9464, 34.1360, 40.7133

Background



This preview shows how black text looks on a background with the XYZ color 27.9464, 34.1360, 40.7133.

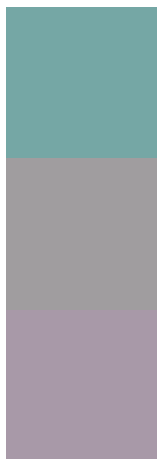


This preview shows how white text looks on a background with the XYZ color 27.9464, 34.1360,

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

27.9464, 34.1360, 40.7133

Protanopia

32.8122, 34.0907, 37.6517

Deuteranopia

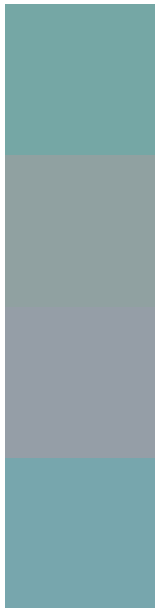
34.6076, 33.9344, 41.7718



Tritanopia

29.2367, 34.1177, 47.1639

Trichromacy



Original Color

27.9464, 34.1360, 40.7133

Protanomaly

30.6795, 33.9922, 38.6624

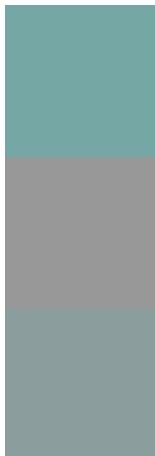
Deuteranomaly

31.5963, 33.6333, 41.3858

Tritanomaly

28.7868, 34.2115, 44.6214

Monochromacy



Original Color

27.9464, 34.1360, 40.7133

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.7902, 32.0372, 36.5647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9464, 34.1360, 40.7133 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, 167, 165)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 167, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 167, 165) }
```

Border

The CSS property to change the border of an element to XYZ 27.9464, 34.1360, 40.7133 is called "border". The border property can be set on classes, ids or directly on the HTML element.

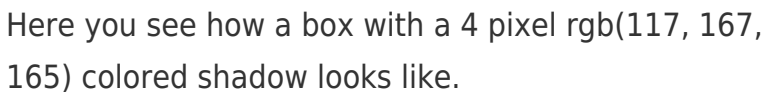
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 167, 165) }
```


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

```
.border{ border-color:rgb(117, 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(117, 167, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 167, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 167, 165); box-shadow:4px 4px 4px 4px rgb(117, 167, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9464, 34.1360, 40.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 167, 165) }
```

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

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