

Converting Colors

XYZ(27.7734, 35.3983, 31.6783)

Have a look what the booklet for
XYZ(27.7734, 35.3983, 31.6783)
contains.

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Color

**XYZ(27.7653, 35.3504,
31.7455)**

Conversions

Conversions Part 1

Format	Color
Hex	7BAB90
RGB	123, 171, 144
RGB Percent	48%, 67%, 56%
CMY	0.5176, 0.3294, 0.4353
CMYK	0.28, 0.00, 0.16, 0.33
HSL	146°, 22%, 58%
HSV	146°, 28%, 67%
XYZ	27.7653, 35.3504, 31.7455
YIQ	153.5700, -19.9410, -18.5730

Conversions

Conversions Part 2

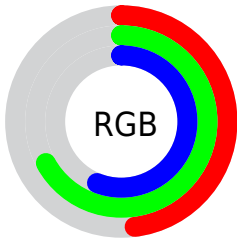
Format	Color
RYB	123, 156, 171
Decimal	8104848
CIELab	66.02, -21.78, 8.80
CIELCh	66, 23.486, 158.004
Yxy	35.3504, 0.2927, 0.3727
Android (android.graphics.Color)	4286294928 (0xFF7BAB90)
YUV	153.5700, -4.7180, -26.8099
Hunter-Lab	59.4562, -20.6911, 9.9626

Details

The XYZ color **27.7653, 35.3504, 31.7455** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.3837, 25.0266, 32.1374**, and the grayscale version is **30.5538, 32.1450, 35.0059**.

A 20% lighter version of the original color is **55.5666, 68.2455, 63.6701**, and **11.3649, 15.4183, 12.9667** is the 20% darker color. If you saturate the color by 10%, you get **24.8254, 33.9172, 27.9325**, and if you desaturate by 10%, it is **31.1971, 37.0319, 35.9101**.

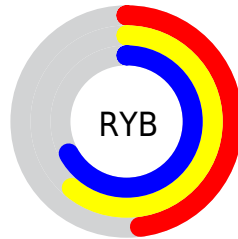
Distribution



Red (48%)

Green (67%)

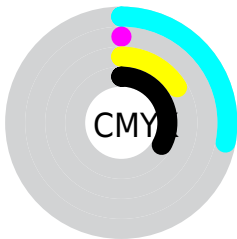
Blue (56%)



Red (48%)

Yellow (61%)

Blue (67%)

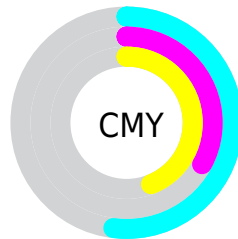


Cyan (28%)

Magenta (0%)

Yellow (16%)

Black (33%)



Cyan (52%)

Magenta (33%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7653, 35.3504, 31.7455 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 27.7653, 35.3504, 31.7455 by changing the saturation by 10% instead.

■ 27.7653, 35.3504,
31.7455

■ 27.7653, 35.3504,
31.7455

283.4442,
326.1123, 324.4152

■ 18.2884, 23.9329,
20.9040

■ 55.5208, 68.0282,
63.5052

■ 11.2582, 15.2839,
12.8633

■ 74.5300, 90.0574,
85.2604

■ 6.3093, 9.0189,
7.2048

■ 97.4474, 116.3925,
111.4906

■ 3.0765, 4.7535,
3.5102

124.6384,
147.4181, 142.6143

■ 1.1943, 2.1034,
1.3607

156.4681,
183.5185, 179.0501

■ 0.1019, 0.6665,
0.1107

193.3021,

■ 0.0000, 0.0000,

225.0780, 221.2165

0.0000

235.5057,
272.4812, 269.5320

■ 27.7653, 35.3504,
31.7455

■ 27.7653, 35.3504,
31.7455

■ 24.8254, 33.9172,
27.9325

■ 31.1971, 37.0319,
35.9101

■ 22.3508, 32.7158,
24.4595

■ 35.1400, 38.9685,
40.4327

■ 20.3166, 31.7345,
21.3177

■ 39.6157, 41.1723,
45.3228

■ 18.6942, 30.9589,
18.4968

■ 44.6438, 43.6530,
50.5884

■ 17.4515, 30.3726,
15.9862

■ 50.2429, 46.4202,
56.2377

■ 16.5515, 29.9566,
13.7745

■ 56.4305, 49.4827,
62.2783

■ 15.9327, 29.6796,
11.8487

■ 63.2235, 52.8492,
68.7177

■ 15.8271, 29.6326,
11.5083

■ 68.8487, 55.6052,
75.4794

■ 70.1673, 56.1327,
82.4229

Harmonies

Analogous

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



29.6429, 35.3504, 25.2708



27.7653, 35.3504, 31.7455



27.3952, 35.3504, 41.2232

Triad

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



27.7653, 35.3504, 31.7455



34.5406, 35.3504, 60.7755



39.1568, 35.3504, 27.8490

Complementary

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



27.7653, 35.3504, 31.7455



29.3837, 25.0266, 32.1374

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.



40.6762, 35.3504, 35.8814



27.7653, 35.3504, 31.7455



37.8934, 35.3504, 55.6654

Square

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



27.7653, 35.3504, 31.7455



31.1534, 35.3504, 59.1508



40.1986, 35.3504, 46.1292



36.1704, 35.3504, 23.3067

Rectangle

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



27.7653, 35.3504, 31.7455



28.0274, 35.3504, 48.2155



40.1986, 35.3504, 46.1292



39.8652, 35.3504, 30.1700

Sweetspot

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



27.7663, 35.3519, 31.7463



62.8781, 69.7614, 72.3504



30.7538, 37.0605, 24.2717



13.7766, 15.4364, 15.8587



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.7663, 35.3519, 31.7463



46.1897, 61.5843, 52.3234



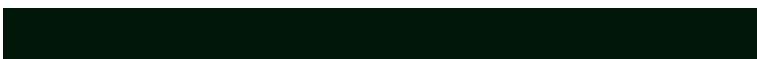
29.7817, 36.1580, 42.3594



8.0446, 8.9954, 9.2597



11.9564, 22.3478, 8.8098



0.3604, 0.6328, 0.3915

Inverse Universe

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



29.3837, 25.0266, 32.1374



49.5913, 39.8614, 53.1396



27.6574, 24.3361, 23.0464



8.1868, 8.0880, 9.2944



14.2857, 7.1768, 9.1499



0.4243, 0.2104, 0.3960

Previews

White Background



This preview shows how the XYZ color 27.7653, 35.3504, 31.7455 looks on a white background.

Color Contrast Check

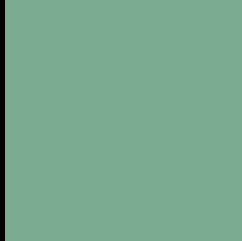
Large Text (above 18pt) WCAG AA × Fail

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 27.7653, 35.3504, 31.7455 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

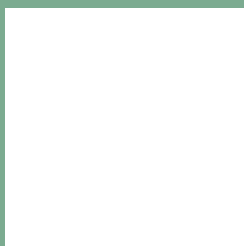
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7653, 35.3504, 31.7455

Background



This preview shows how black text looks on a background with the XYZ color 27.7653, 35.3504, 31.7455.



This preview shows how white text looks on a background with the XYZ color 27.7653, 35.3504,

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

27.7653, 35.3504, 31.7455

Protanopia

33.1340, 34.9561, 29.0456

Deuteranopia

35.6445, 34.9211, 32.4655



Tritanopia

30.9788, 35.2729, 47.8234

Trichromacy



Original Color

27.7653, 35.3504, 31.7455

Protanomaly

30.7797, 34.7632, 29.8987

Deuteranomaly

32.0572, 34.5879, 32.1807

Tritanomaly

29.6380, 35.2705, 41.3222

Monochromacy



Original Color

27.7653, 35.3504, 31.7455

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.4035, 33.1833, 33.7094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7653, 35.3504, 31.7455 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(123, 171, 144)` looks like.

```
.text, #text, p{  
    color:rgb(123, 171, 144)  
}
```

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(123, 171, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 171, 144) }
```

Border

The CSS property to change the border of an element to XYZ 27.7653, 35.3504, 31.7455 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(123, 171, 144) }
```


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

```
.border{ border-color:rgb(123, 171, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 171, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 171, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 171, 144); box-shadow:4px 4px 4px 4px rgb(123, 171, 144) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7653, 35.3504, 31.7455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 171, 144) }
```

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

```
.background{ background-color: rgb(123,  
171, 144) }
```

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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