

Converting Colors

XYZ(27.3309, 34.6913, 43.7100)

Have a look what the booklet for
XYZ(27.3309, 34.6913, 43.7100)
contains.

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Color

**XYZ(27.3189, 34.5733,
43.7615)**

Conversions

Conversions Part 1

Format	Color
Hex	67AAAB
RGB	103, 170, 171
RGB Percent	40%, 67%, 67%
CMY	0.5961, 0.3333, 0.3294
CMYK	0.40, 0.01, 0.00, 0.33
HSL	181°, 29%, 54%
HSV	181°, 40%, 67%
XYZ	27.3189, 34.5733, 43.7615
YIQ	150.0810, -40.2530, -13.8930

Conversions

Conversions Part 2

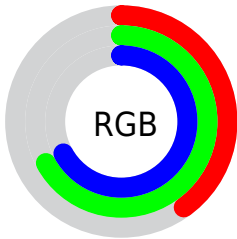
Format	Color
RYB	103, 137, 171
Decimal	6793899
CIELab	65.42, -20.95, -7.22
CIELCh	65, 22.165, 199.024
Yxy	34.5733, 0.2586, 0.3272
Android (android.graphics.Color)	4284983979 (0xFF67AAAB)
YUV	150.0810, 10.3131, -41.2900
Hunter-Lab	58.7991, -19.9647, -2.9675

Details

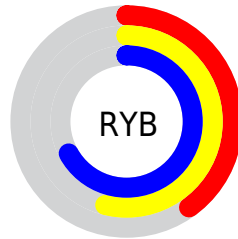
The XYZ color **27.3189, 34.5733, 43.7615** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.1935, 19.5381, 15.3288**, and the grayscale version is **28.9945, 30.5044, 33.2193**.

A 20% lighter version of the original color is **54.5573, 66.5095, 81.9137**, and **11.0748, 14.9417, 19.7531** is the 20% darker color. If you saturate the color by 10%, you get **25.5079, 33.5707, 43.6640**, and if you desaturate by 10%, it is **29.5332, 35.7856, 43.8794**.

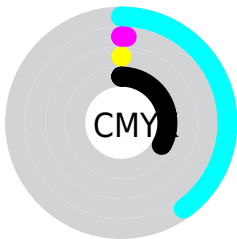
Distribution



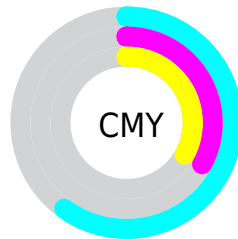
- Red (40%)
- Green (67%)
- Blue (67%)



- Red (40%)
- Yellow (54%)
- Blue (67%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (60%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3189, 34.5733, 43.7615 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 27.3189, 34.5733, 43.7615 by changing the saturation by 10% instead.

■ 27.3189, 34.5733,
43.7615

■ 27.3189, 34.5733,
43.7615

281.3374,
322.6809, 377.7470

■ 17.9507, 23.3344,
30.1472

■ 54.8115, 66.8242,
82.1574

■ 11.0141, 14.8406,
19.6974

■ 73.6665, 88.6050,
107.7761

■ 6.1437, 8.7076,
11.9934

■ 96.4146, 114.6685,
138.2333

■ 2.9741, 4.5509,
6.6167

■ 123.4210,
145.3991, 173.9477

■ 1.1401, 1.9863,
3.1488

155.0511,
181.1813, 215.3377

■ 0.0583, 0.5995,
1.1711

191.6703,

■ 0.0000, 0.0000,

222.3994, 262.8219

0.0000

233.6440,
269.4378, 316.8188

■ 27.3189, 34.5733,
43.7615

■ 27.3189, 34.5733,
43.7615

■ 25.5079, 33.5707,
43.6640

■ 29.5332, 35.7856,
43.8794

■ 24.0724, 32.7611,
43.5834

■ 32.1702, 37.2150,
44.0163

■ 22.9863, 32.1316,
43.5192

■ 35.2518, 38.8739,
44.1741

■ 22.2183, 31.6664,
43.4698

■ 38.7976, 40.7721,
44.3536

■ 21.7322, 31.3465,
43.4337

■ 42.8257, 42.9191,
44.5557

■ 21.4504, 31.1321,
43.4072

■ 47.3536, 45.3239,
44.7812

■ 21.4443, 31.1274,
43.4066

■ 52.3978, 47.9950,
45.0309

■ 57.9739, 50.9404,
45.3056

■ 63.3932, 53.8052,
45.5729

Harmonies

Analogous

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



27.1194, 34.5733, 34.3503



27.3189, 34.5733, 43.7615



28.9446, 34.5733, 52.7764

Triad

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



27.3189, 34.5733, 43.7615



37.7896, 34.5733, 50.5905



34.0607, 34.5733, 22.7117

Complementary

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



27.3189, 34.5733, 43.7615



24.1935, 19.5381, 15.3288

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.



37.1153, 34.5733, 25.7225



27.3189, 34.5733, 43.7615



39.3604, 34.5733, 41.1428

Square

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



27.3189, 34.5733, 43.7615



34.9326, 34.5733, 57.1447



39.1058, 34.5733, 32.1258



30.8727, 34.5733, 23.1774

Rectangle

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



27.3189, 34.5733, 43.7615



30.6819, 34.5733, 56.8707



39.1058, 34.5733, 32.1258



35.1406, 34.5733, 23.3281

Sweetspot

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



27.3199, 34.5747, 43.7623



61.7072, 68.8542, 79.0397



22.6053, 32.9893, 18.0088



13.6024, 15.2695, 17.6181



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.



27.3199, 34.5747, 43.7623



45.9513, 60.2726, 78.2138



21.8905, 23.7159, 41.9525



8.2261, 9.0516, 10.2663



16.1692, 23.4723, 32.7229



0.4529, 0.6592, 0.9114

Inverse Universe

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



28.9013, 21.2615, 40.6124



49.2067, 33.0326, 71.6921



28.1891, 27.5292, 16.6606



8.3319, 8.1460, 10.0588



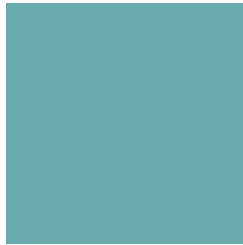
18.0251, 8.6726, 28.8414



0.5030, 0.2419, 0.8106

Previews

White Background



This preview shows how the XYZ color 27.3189, 34.5733, 43.7615 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 27.3189, 34.5733, 43.7615 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

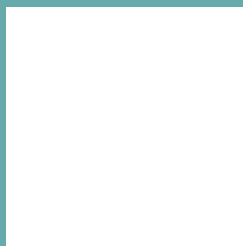
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3189, 34.5733, 43.7615

Background



This preview shows how black text looks on a background with the XYZ color 27.3189, 34.5733, 43.7615.

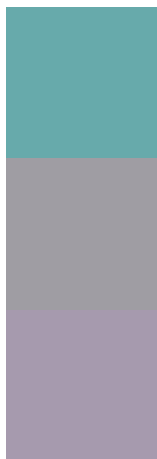


This preview shows how white text looks on a background with the XYZ color 27.3189, 34.5733,

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

27.3189, 34.5733, 43.7615

Protanopia

32.9659, 34.1292, 39.5004

Deuteranopia

34.9215, 34.2742, 44.8194



Tritanopia

28.3900, 34.4468, 49.4086

Trichromacy



Original Color

27.3189, 34.5733, 43.7615

Protanomaly

30.4507, 34.0828, 41.0501

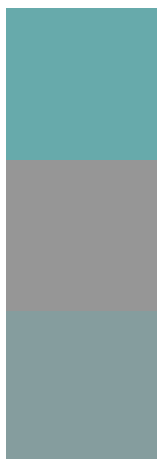
Deuteranomaly

31.4413, 33.9984, 44.4404

Tritanomaly

28.0495, 34.5935, 47.3183

Monochromacy



Original Color

27.3189, 34.5733, 43.7615

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.9014, 31.5691, 36.9706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3189, 34.5733, 43.7615 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(103, 170, 171)` looks like.

```
.text, #text, p{  
    color:rgb(103, 170, 171)  
}
```

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(103, 170, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 170, 171) }
```

Border

The CSS property to change the border of an element to XYZ 27.3189, 34.5733, 43.7615 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(103, 170, 171) }
```


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

```
.border{ border-color:rgb(103, 170, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 170, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 170, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 170, 171);  
box-shadow:4px 4px 4px 4px rgb(103, 170,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3189, 34.5733, 43.7615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 170, 171) }
```

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

```
.background{ background-color: rgb(103,  
170, 171) }
```

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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