

Converting Colors

XYZ(27.7042, 34.9772, 43.8482)

Have a look what the booklet for
XYZ(27.7042, 34.9772, 43.8482)
contains.

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Color

**XYZ(27.7393, 35.0694,
43.8351)**

Conversions

Conversions Part 1

Format	Color
Hex	69ABAB
RGB	105, 171, 171
RGB Percent	41%, 67%, 67%
CMY	0.5882, 0.3294, 0.3294
CMYK	0.39, 0.00, 0.00, 0.33
HSL	180°, 28%, 54%
HSV	180°, 39%, 67%
XYZ	27.7393, 35.0694, 43.8351
YIQ	151.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

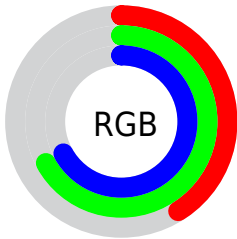
Format	Color
RYB	105, 138, 171
Decimal	6925227
CIELab	65.80, -20.94, -6.64
CIELCh	66, 21.968, 197.592
Yxy	35.0694, 0.2601, 0.3288
Android (android.graphics.Color)	4285115307 (0xFF69ABAB)
YUV	151.2660, 9.7289, -40.5753
Hunter-Lab	59.2194, -20.0218, -2.4337

Details

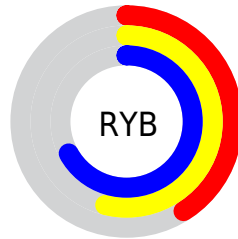
The XYZ color **27.7393, 35.0694, 43.8351** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.3972, 19.7820, 15.8983**, and the grayscale version is **29.5019, 31.0383, 33.8007**.

A 20% lighter version of the original color is **55.4946, 67.8001, 82.1134**, and **11.2918, 15.2294, 19.7972** is the 20% darker color. If you saturate the color by 10%, you get **25.9295, 34.1373, 43.7509**, and if you desaturate by 10%, it is **29.9550, 36.2125, 43.9398**.

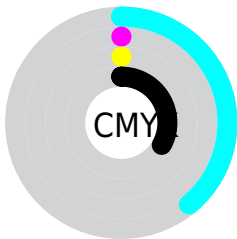
Distribution



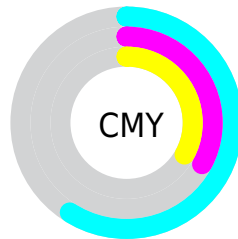
- Red (41%)
- Green (67%)
- Blue (67%)



- Red (41%)
- Yellow (54%)
- Blue (67%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (33%)



- Cyan (59%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7393, 35.0694, 43.8351 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 27.7393, 35.0694, 43.8351 by changing the saturation by 10% instead.

■ 27.7393, 35.0694,
43.8351

■ 27.7393, 35.0694,
43.8351

283.3218,
324.8746, 378.0566

■ 18.2687, 23.7163,
30.2046

■ 55.4795, 67.5933,
82.2694

■ 11.2439, 15.1233,
19.7406

■ 74.4798, 89.5329,
107.9103

■ 6.2996, 8.9060,
12.0244

■ 97.3874, 115.7701,
138.3918

■ 3.0705, 4.6799,
6.6376

■ 124.5676,
146.6893, 174.1324

■ 1.1912, 2.0607,
3.1615

156.3858,
182.6750, 215.5506

■ 0.0994, 0.6424,
1.1777

193.2073,

■ 0.0000, 0.0000,

224.1115, 263.0650

0.0000

235.3975,
271.3832, 317.0942

■ 27.7393, 35.0694,
43.8351

■ 27.7393, 35.0694,
43.8351

■ 25.9295, 34.1373,
43.7509

■ 29.9550, 36.2125,
43.9398

■ 24.4983, 33.3994,
43.6836

■ 32.5959, 37.5739,
44.0637

■ 23.4195, 32.8433,
43.6329

■ 35.6836, 39.1657,
44.2085

■ 22.6628, 32.4533,
43.5972

■ 39.2376, 40.9978,
44.3751

■ 22.1925, 32.2108,
43.5749

■ 43.2760, 43.0797,
44.5643

■ 21.9441, 32.0827,
43.5630

■ 47.8160, 45.4201,
44.7771

■ 21.9140, 32.0672,
43.5616

■ 52.8741, 48.0277,
45.0140

■ 58.4659, 50.9103,
45.2760

■ 63.1548, 53.3275,
45.4957

Harmonies

Analogous

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



27.6105, 35.0694, 34.4775



27.7393, 35.0694, 43.8351



29.3048, 35.0694, 52.9322

Triad

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



27.7393, 35.0694, 43.8351



38.1474, 35.0694, 51.5263



34.6891, 35.0694, 23.2750

Complementary

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



27.7393, 35.0694, 43.8351



24.3972, 19.7820, 15.8983

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.



37.7131, 35.0694, 26.4673



27.7393, 35.0694, 43.8351



39.7948, 35.0694, 42.1484

Square

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



27.7393, 35.0694, 43.8351



35.2510, 35.0694, 57.8433



39.6309, 35.0694, 33.0418



31.4847, 35.0694, 23.5766

Rectangle

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



27.7393, 35.0694, 43.8351



31.0134, 35.0694, 57.1694



39.6309, 35.0694, 33.0418



35.7643, 35.0694, 23.9504

Sweetspot

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



27.7403, 35.0708, 43.8359



61.8107, 69.0612, 79.0737



23.0695, 33.2175, 18.5611



13.6278, 15.3204, 17.6264



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.



27.7403, 35.0708, 43.8359



46.9636, 61.4073, 78.3772



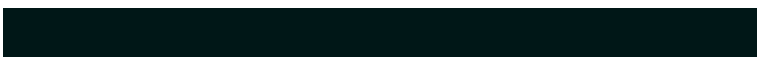
22.4246, 24.4389, 42.0650



8.2364, 9.0721, 10.2696



16.5192, 24.1730, 32.8377



0.4596, 0.6725, 0.9135

Inverse Universe

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



24.3972, 19.7820, 15.8983



40.1488, 30.2418, 21.4276



28.2771, 27.5420, 17.1911



8.0053, 8.0154, 8.3386



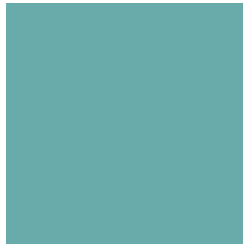
12.6607, 6.5268, 0.5926



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 27.7393, 35.0694, 43.8351 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 27.7393, 35.0694, 43.8351 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

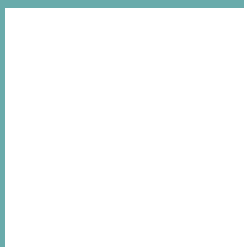
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7393, 35.0694, 43.8351

Background



This preview shows how black text looks on a background with the XYZ color 27.7393, 35.0694, 43.8351.

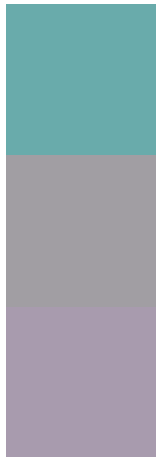


This preview shows how white text looks on a background with the XYZ color 27.7393, 35.0694,

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

27.7393, 35.0694, 43.8351

Protanopia

33.5357, 34.6751, 39.5758

Deuteranopia

35.5098, 34.8235, 44.8944



Tritanopia

28.9196, 34.9830, 50.0279

Trichromacy



Original Color

27.7393, 35.0694, 43.8351

Protanomaly

30.9646, 34.6103, 41.1248

Deuteranomaly

31.9647, 34.5266, 44.5147

Tritanomaly

28.5748, 35.1299, 47.9225

Monochromacy



Original Color

27.7393, 35.0694, 43.8351

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.2299, 31.9907, 37.0347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7393, 35.0694, 43.8351 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(105, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(105, 171, 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(105, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 171, 171) }
```

Border

The CSS property to change the border of an element to XYZ 27.7393, 35.0694, 43.8351 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(105, 171, 171) }
```


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

```
.border{ border-color:rgb(105, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(105, 171,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7393, 35.0694, 43.8351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 171, 171) }
```

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

```
.background{ background-color: rgb(105,  
171, 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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