

Converting Colors

XYZ(28.0850, 33.7640, 42.2294)

Have a look what the booklet for
XYZ(28.0850, 33.7640, 42.2294)
contains.

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Color

**XYZ(27.9942, 33.5890,
42.0537)**

Conversions

Conversions Part 1

Format	Color
Hex	76A5A8
RGB	118, 165, 168
RGB Percent	46%, 65%, 66%
CMY	0.5372, 0.3529, 0.3412
CMYK	0.30, 0.02, 0.00, 0.34
HSL	184°, 22%, 56%
HSV	184°, 30%, 66%
XYZ	27.9942, 33.5890, 42.0537
YIQ	151.2890, -28.9750, -9.0310

Conversions

Conversions Part 2

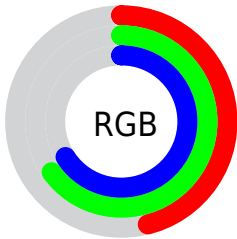
Format	Color
RYB	118, 142, 168
Decimal	7775656
CIELab	64.64, -14.90, -6.62
CIELCh	65, 16.302, 203.977
Yxy	33.5890, 0.2701, 0.3241
Android (android.graphics.Color)	4285965736 (0xFF76A5A8)
YUV	151.2890, 8.2385, -29.1945
Hunter-Lab	57.9560, -15.2031, -2.4524

Details

The XYZ color **27.9942, 33.5890, 42.0537** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.2562, 23.3077, 20.2551**, and the grayscale version is **29.5146, 31.0517, 33.8153**.

A 20% lighter version of the original color is **55.9257, 65.2848, 79.4657**, and **11.3723, 14.2645, 18.6769** is the 20% darker color. If you saturate the color by 10%, you get **25.7322, 32.1551, 41.8967**, and if you desaturate by 10%, it is **30.6660, 35.2380, 42.2317**.

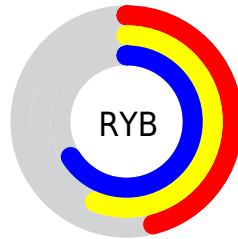
Distribution



Red (46%)

Green (65%)

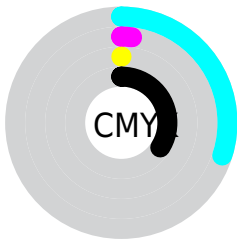
Blue (66%)



Red (46%)

Yellow (56%)

Blue (66%)

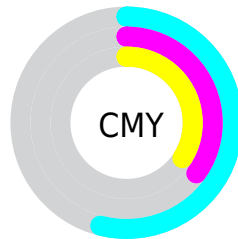


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (34%)



Cyan (54%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9942, 33.5890, 42.0537 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 27.9942, 33.5890, 42.0537 by changing the saturation by 10% instead.

■ 27.9942, 33.5890,
42.0537

■ 27.9942, 33.5890,
42.0537

284.5198,
318.2955, 370.5117

■ 18.4617, 22.5780,
28.8175

■ 55.8839, 65.2940,
79.5519

■ 11.3837, 14.2822,
18.6984

■ 74.9718, 86.7569,
104.6509

■ 6.3947, 8.3172,
11.2779

■ 97.9756, 112.4725,
134.5412

■ 3.1295, 4.2986,
6.1376

125.2606,
142.8252, 169.6414

■ 1.2226, 1.8420,
2.8588

157.1921,
178.1995, 210.3700

■ 0.1241, 0.5131,
1.0230

194.1356,

■ 0.0000, 0.0000,

218.9797, 257.1456

0.0000

236.4564,
265.5502, 310.3866

■ 27.9942, 33.5890,
42.0537

■ 27.9942, 33.5890,
42.0537

■ 25.7322, 32.1551,
41.8967

■ 30.6660, 35.2380,
42.2317

■ 23.8554, 30.9210,
41.7574

■ 33.7645, 37.1083,
42.4294

■ 22.3412, 29.8760,
41.6355

■ 37.3095, 39.2108,
42.6484

■ 21.1636, 29.0065,
41.5298

■ 41.3185, 41.5547,
42.8895

■ 20.2928, 28.2974,
41.4388

■ 45.8080, 44.1485,
43.1536

■ 19.6939, 27.7306,
41.3609

■ 50.7939, 47.0003,
43.4412

■ 19.2917, 27.2672,
41.2927

■ 56.2912, 50.1179,
43.7532

■ 19.2826, 27.2564,
41.2911

■ 62.3143, 53.5088,
44.0903

■ 63.4574, 54.3860,
44.1994

Harmonies

Analogous

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



27.6631, 33.5890, 35.2392



27.9942, 33.5890, 42.0537



29.3556, 33.5890, 47.9957

Triad

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



27.9942, 33.5890, 42.0537



35.6980, 33.5890, 44.6727



32.3990, 33.5890, 25.2125

Complementary

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



27.9942, 33.5890, 42.0537



26.2562, 23.3077, 20.2551

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.



34.6408, 33.5890, 27.1232



27.9942, 33.5890, 42.0537



36.6043, 33.5890, 37.9394

Square

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



27.9942, 33.5890, 42.0537



33.7858, 33.5890, 49.6322



36.2083, 33.5890, 31.5899



30.1345, 33.5890, 26.0321

Rectangle

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



27.9942, 33.5890, 42.0537



30.7014, 33.5890, 50.3840



36.2083, 33.5890, 31.5899



33.1814, 33.5890, 25.5486

Sweetspot

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



27.9952, 33.5903, 42.0545



61.6302, 67.5529, 77.0158



24.8950, 33.2257, 23.0305



13.2490, 14.6137, 16.7746



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.



27.9952, 33.5903, 42.0545



47.8905, 59.1167, 76.1117



23.9910, 25.5820, 40.7197



7.7085, 8.4539, 9.6438



14.5747, 20.6095, 31.1854



0.3657, 0.5237, 0.7625

Inverse Universe

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



29.4192, 23.9990, 38.6806



50.9434, 38.8499, 68.8120



29.6210, 30.0374, 21.3767



7.8222, 7.6587, 9.3809



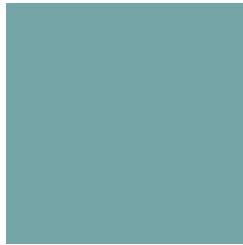
16.8572, 8.1516, 25.1233



0.4158, 0.2006, 0.6408

Previews

White Background



This preview shows how the XYZ color 27.9942, 33.5890, 42.0537 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 27.9942, 33.5890, 42.0537 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

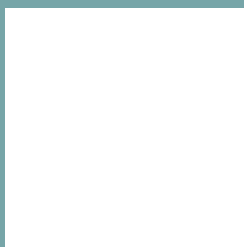
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9942, 33.5890, 42.0537

Background



This preview shows how black text looks on a background with the XYZ color 27.9942, 33.5890, 42.0537.

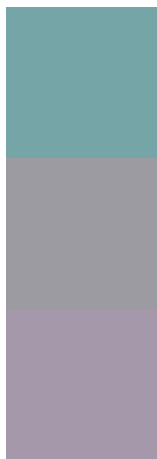


This preview shows how white text looks on a background with the XYZ color 27.9942, 33.5890,

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

27.9942, 33.5890, 42.0537

Protanopia

32.1476, 33.2194, 38.9001

Deuteranopia

34.0960, 33.3961, 43.1771



Tritanopia

28.9570, 33.7183, 46.5771

Trichromacy



Original Color

27.9942, 33.5890, 42.0537

Protanomaly

30.4267, 33.3162, 39.9490

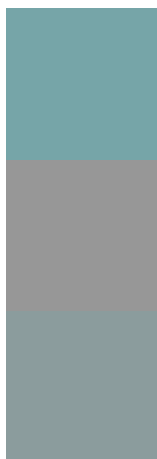
Deuteranomaly

31.5254, 33.3121, 42.7985

Tritanomaly

28.5232, 33.5288, 45.0128

Monochromacy



Original Color

27.9942, 33.5890, 42.0537

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.6217, 31.7002, 36.5085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9942, 33.5890, 42.0537 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(118, 165, 168)` looks like.

```
.text, #text, p{  
    color:rgb(118, 165, 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(118, 165, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 165, 168) }
```

Border

The CSS property to change the border of an element to XYZ 27.9942, 33.5890, 42.0537 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(118, 165, 168) }
```


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

```
.border{ border-color:rgb(118, 165, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 165, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 165, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 165, 168);  
box-shadow:4px 4px 4px 4px rgb(118, 165,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9942, 33.5890, 42.0537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 165, 168) }
```

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

```
.background{ background-color: rgb(118,  
165, 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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