

Converting Colors

XYZ(32.8710, 40.7494, 42.3231)

Have a look what the booklet for
XYZ(32.8710, 40.7494, 42.3231)
contains.

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Color

**XYZ(32.7669, 40.6262,
42.1910)**

Conversions

Conversions Part 1

Format	Color
Hex	83B5A6
RGB	131, 181, 166
RGB Percent	51%, 71%, 65%
CMY	0.4863, 0.2902, 0.3490
CMYK	0.28, 0.00, 0.08, 0.29
HSL	162°, 25%, 61%
HSV	162°, 28%, 71%
XYZ	32.7669, 40.6262, 42.1910
YIQ	164.3400, -24.9850, -15.2650

Conversions

Conversions Part 2

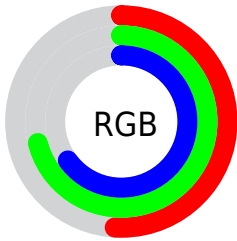
Format	Color
RYB	131, 160, 181
Decimal	8631718
CIELab	69.91, -19.72, 2.32
CIElCh	70, 19.859, 173.298
Yxy	40.6262, 0.2835, 0.3515
Android (android.graphics.Color)	4286821798 (0xFF83B5A6)
YUV	164.3400, 0.8184, -29.2392
Hunter-Lab	63.7387, -19.7791, 5.3708

Details

The XYZ color **32.7669, 40.6262, 42.1910** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.3621, 28.1328, 30.9204**, and the grayscale version is **35.4542, 37.3006, 40.6204**.

A 20% lighter version of the original color is **63.3429, 76.1031, 79.7575**, and **14.0647, 18.3587, 18.7219** is the 20% darker color. If you saturate the color by 10%, you get **29.7172, 39.1115, 39.5030**, and if you desaturate by 10%, it is **36.3297, 42.4052, 45.0146**.

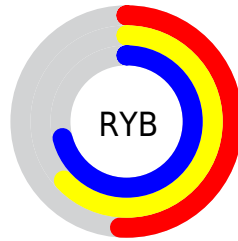
Distribution



Red (51%)

Green (71%)

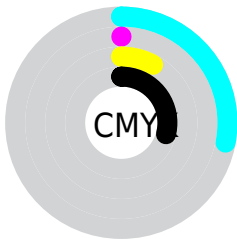
Blue (65%)



Red (51%)

Yellow (63%)

Blue (71%)

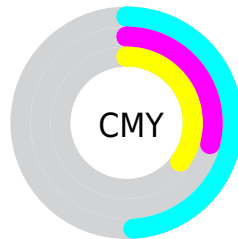


Cyan (28%)

Magenta (0%)

Yellow (8%)

Black (29%)



Cyan (49%)


Magenta (29%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7669, 40.6262, 42.1910 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 32.7669, 40.6262, 42.1910 by changing the saturation by 10% instead.


 32.7669, 40.6262,
42.1910


 32.7669, 40.6262,
42.1910


306.2817,
348.7559, 371.0971


 22.1063, 28.0271,
28.9242


 63.3685, 76.1161,
79.7618

 14.0521, 18.3461,
18.7784


 84.0403, 99.7758,
104.9029

 8.2388, 11.1988,
11.3351


 108.7799,
127.8910, 134.8392

 4.3012, 6.2007,
6.1757

137.9525,
160.8464, 169.9892

 1.8739, 2.9675,
2.8817

171.9237,
199.0261, 210.7714

 0.5616, 1.1148,
1.0345

211.0587,

 0.0000, 0.0000,

242.8147, 257.6045

0.0000

255.7229,
292.5965, 310.9068

■ 32.7669, 40.6262,
42.1910

■ 32.7669, 40.6262,
42.1910

■ 29.7172, 39.1115,
39.5030

■ 36.3297, 42.4052,
45.0146

■ 27.1514, 37.8427,
36.9453

■ 40.4260, 44.4556,
47.9734

■ 25.0427, 36.8072,
34.5161

■ 45.0793, 46.7908,
51.0708

■ 23.3600, 35.9890,
32.2126

■ 50.3106, 49.4214,
54.3089

■ 22.0683, 35.3700,
30.0317

■ 56.1400, 52.3577,
57.6900

■ 21.1268, 34.9293,
27.9701

■ 62.5863, 55.6096,
61.2161

■ 20.4738, 34.6351,
26.0234

■ 68.6657, 58.6696,
64.8425

■ 20.3356, 34.5736,
25.5765

■ 69.3287, 58.9348,
68.3340

■ 70.0147, 59.2092,
71.9463

Harmonies

Analogous

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



33.8443, 40.6262, 34.4311



32.7669, 40.6262, 42.1910



33.1846, 40.6262, 51.6516

Triad

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



32.7669, 40.6262, 42.1910



41.1235, 40.6262, 62.6706



42.4471, 40.6262, 31.4489

Complementary

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



32.7669, 40.6262, 42.1910



32.3621, 28.1328, 30.9204

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.



44.6054, 40.6262, 37.5647



32.7669, 40.6262, 42.1910



43.8120, 40.6262, 55.7430

Square

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



32.7669, 40.6262, 42.1910



37.8935, 40.6262, 64.3623



45.1183, 40.6262, 46.3440



39.3435, 40.6262, 28.8134

Rectangle

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



32.7669, 40.6262, 42.1910



34.2669, 40.6262, 57.5926



45.1183, 40.6262, 46.3440



43.3140, 40.6262, 33.1211

Sweetspot

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



32.7680, 40.6279, 42.1919



72.0017, 79.4166, 85.6400



32.6247, 40.8758, 27.6438



15.3140, 17.0404, 18.3362



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.7680, 40.6279, 42.1919



55.3386, 71.0961, 72.6789



32.4227, 37.6047, 49.2675



8.6319, 9.5872, 10.3210



14.0500, 23.8460, 17.7982



0.4664, 0.7600, 0.6879

Inverse Universe

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



32.3621, 28.1328, 30.9204



54.4969, 45.0818, 49.2288



32.5566, 30.2685, 25.6000



8.5978, 8.5458, 9.3805



13.6282, 6.9688, 3.2018



0.4553, 0.2299, 0.2401

Previews

White Background



This preview shows how the XYZ color 32.7669, 40.6262, 42.1910 looks on a white background.

Color Contrast Check

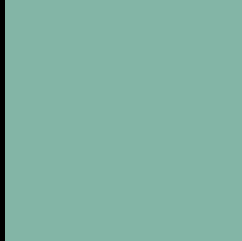
Large Text (above 18pt) WCAG AA × Fail

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 32.7669, 40.6262, 42.1910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

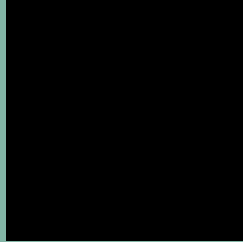
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7669, 40.6262, 42.1910

Background



This preview shows how black text looks on a background with the XYZ color 32.7669, 40.6262, 42.1910.



This preview shows how white text looks on a background with the XYZ color 32.7669, 40.6262,

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

32.7669, 40.6262, 42.1910

Protanopia

38.6244, 40.5176, 39.0427

Deuteranopia

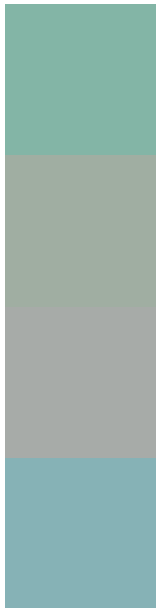
41.1101, 40.3396, 43.1557



Tritanopia

35.2795, 40.4401, 55.2365

Trichromacy



Original Color

32.7669, 40.6262, 42.1910

Protanomaly

36.1548, 40.3543, 40.0660

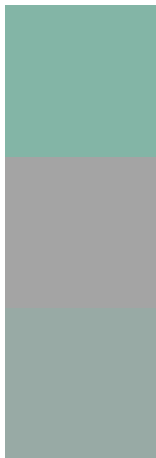
Deuteranomaly

37.5671, 40.1685, 42.8191

Tritanomaly

34.1954, 40.2865, 50.2298

Monochromacy



Original Color

32.7669, 40.6262, 42.1910

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.1152, 38.1415, 41.1613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7669, 40.6262, 42.1910 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(131, 181, 166)` looks like.

```
.text, #text, p{  
    color:rgb(131, 181, 166)  
}
```

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(131, 181, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 181, 166) }
```

Border

The CSS property to change the border of an element to XYZ 32.7669, 40.6262, 42.1910 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(131, 181, 166) }
```


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

```
.border{ border-color:rgb(131, 181, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 181, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 181, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 181, 166);  
box-shadow:4px 4px 4px 4px rgb(131, 181,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7669, 40.6262, 42.1910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 181, 166) }
```

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

```
.background{ background-color: rgb(131,  
181, 166) }
```

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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