

Converting Colors

XYZ(32.2961, 38.3803, 44.1842)

Have a look what the booklet for
XYZ(32.2961, 38.3803, 44.1842)
contains.

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Color

**XYZ(32.1596, 38.1989,
44.2062)**

Conversions

Conversions Part 1

Format	Color
Hex	85AEAB
RGB	133, 174, 171
RGB Percent	52%, 68%, 67%
CMY	0.4784, 0.3176, 0.3294
CMYK	0.24, 0.00, 0.02, 0.32
HSL	176°, 20%, 60%
HSV	176°, 24%, 68%
XYZ	32.1596, 38.1989, 44.2062
YIQ	161.3990, -23.4730, -9.6250

Conversions

Conversions Part 2

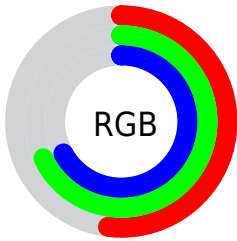
Format	Color
RYB	133, 154, 174
Decimal	8761003
CIELab	68.17, -14.38, -2.98
CIELCh	68, 14.681, 191.706
Yxy	38.1989, 0.2807, 0.3334
Android (android.graphics.Color)	4286951083 (0xFF85AEAB)
YUV	161.3990, 4.7333, -24.9059
Hunter-Lab	61.8053, -15.2789, 0.8565

Details

The XYZ color **32.1596, 38.1989, 44.2062** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.2884, 27.5524, 27.0159**, and the grayscale version is **34.0492, 35.8225, 39.0107**.

A 20% lighter version of the original color is **62.5178, 72.6494, 82.6792**, and **13.7690, 17.0448, 20.0170** is the 20% darker color. If you saturate the color by 10%, you get **29.5162, 36.8512, 43.4523**, and if you desaturate by 10%, it is **35.2614, 39.7848, 44.9893**.

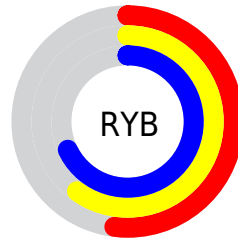
Distribution



Red (52%)

Green (68%)

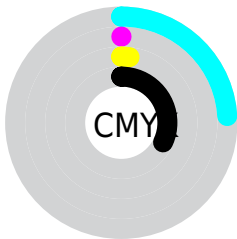
Blue (67%)



Red (52%)

Yellow (60%)

Blue (68%)

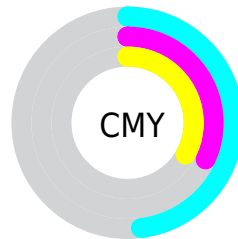


Cyan (24%)

Magenta (0%)

Yellow (2%)

Black (32%)



Cyan (48%)

Magenta (32%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1596, 38.1989, 44.2062 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 32.1596, 38.1989, 44.2062 by changing the saturation by 10% instead.

■ 32.1596, 38.1989,
44.2062

■ 32.1596, 38.1989,
44.2062

303.5780,
338.4724, 379.6150

■ 21.6396, 26.1371,
30.4943

■ 62.4247, 72.4129,
82.8337

■ 13.7074, 16.9262,
19.9588

■ 82.9005, 95.3339,
108.5864

■ 7.9978, 10.1819,
12.1813

■ 107.4256,
122.6434, 139.1897

■ 4.1453, 5.5197,
6.7433

136.3654,
154.7258, 175.0622

■ 1.7847, 2.5553,
3.2261

170.0851,
191.9655, 216.6224

■ 0.5084, 0.9043,
1.2112

208.9502,

■ 0.0000, 0.0000,

234.7469, 264.2890

0.0000

253.3261,
283.4544, 318.4803

■ 32.1596, 38.1989,
44.2062

■ 32.1596, 38.1989,
44.2062

■ 29.5162, 36.8512,
43.4523

■ 35.2614, 39.7848,
44.9893

■ 27.3056, 35.7254,
42.7240

■ 38.8393, 41.6151,
45.7999

■ 25.5046, 34.8106,
42.0209

■ 42.9139, 43.7012,
46.6400

■ 24.0865, 34.0931,
41.3418

■ 47.5036, 46.0528,
47.5103

■ 23.0214, 33.5575,
40.6853

■ 52.6260, 48.6788,
48.4117

■ 22.2750, 33.1860,
40.0497

■ 58.2977, 51.5879,
49.3451

■ 21.8063, 32.9575,
39.4331

■ 64.5349, 54.7884,
50.3111

■ 21.5929, 32.8559,
39.0435

■ 64.7371, 54.8776,
51.0009

■ 64.8687, 54.9302,
51.6936

Harmonies

Analogous

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



32.2807, 38.1989, 37.7542



32.1596, 38.1989, 44.2062



33.1146, 38.1989, 50.5686

Triad

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



32.1596, 38.1989, 44.2062



39.3191, 38.1989, 51.7461



37.7081, 38.1989, 30.7211

Complementary

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



32.1596, 38.1989, 44.2062



30.2884, 27.5524, 27.0159

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.



39.6980, 38.1989, 33.7462



32.1596, 38.1989, 44.2062



40.6547, 38.1989, 45.6817

Square

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



32.1596, 38.1989, 44.2062



37.2086, 38.1989, 55.2180



40.7963, 38.1989, 39.0832



35.4199, 38.1989, 30.4153

Rectangle

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



32.1596, 38.1989, 44.2062



34.2575, 38.1989, 53.7270



40.7963, 38.1989, 39.0832



38.4365, 38.1989, 31.4376

Sweetspot

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



32.1607, 38.2005, 44.2071



68.0358, 74.2484, 82.5437



29.5920, 37.2363, 27.8187



15.0368, 16.4591, 18.3272



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.1607, 38.2005, 44.2071



55.8672, 68.0299, 79.5027



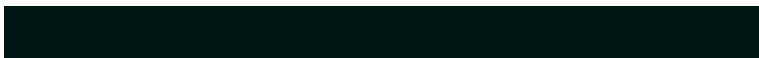
29.3569, 32.1296, 44.7005



8.2106, 9.0618, 10.1342



15.6703, 23.8334, 28.3670



0.4433, 0.6660, 0.8278

Inverse Universe

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



30.2884, 27.5524, 27.0159



51.9050, 45.4901, 43.1184



32.6102, 32.5327, 26.7517



8.0282, 8.0245, 8.4591



12.7212, 6.5510, 0.9111



0.3614, 0.1853, 0.0650

Previews

White Background



This preview shows how the XYZ color 32.1596, 38.1989, 44.2062 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 32.1596, 38.1989, 44.2062 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

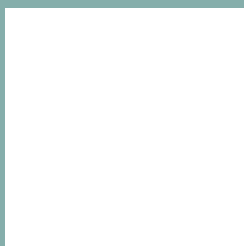
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1596, 38.1989, 44.2062

Background



This preview shows how black text looks on a background with the XYZ color 32.1596, 38.1989, 44.2062.

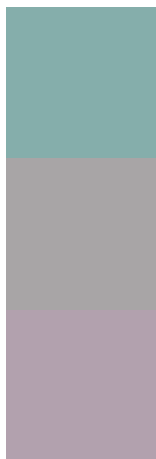


This preview shows how white text looks on a background with the XYZ color 32.1596, 38.1989,

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

32.1596, 38.1989, 44.2062

Protanopia

36.4865, 37.9883, 41.4858

Deuteranopia

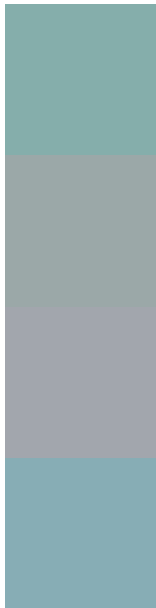
38.7449, 38.0107, 45.3391



Tritanopia

33.7688, 38.2845, 52.0642

Trichromacy



Original Color

32.1596, 38.1989, 44.2062

Protanomaly

34.5881, 37.8010, 42.5191

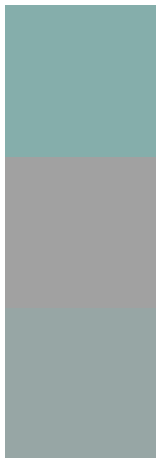
Deuteranomaly

36.0793, 37.9709, 44.9627

Tritanomaly

33.2757, 38.3742, 49.3692

Monochromacy



Original Color

32.1596, 38.1989, 44.2062

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.1902, 36.5684, 40.9064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1596, 38.1989, 44.2062 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(133, 174, 171)` looks like.

```
.text, #text, p{  
    color:rgb(133, 174, 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(133, 174, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 174, 171) }
```

Border

The CSS property to change the border of an element to XYZ 32.1596, 38.1989, 44.2062 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(133, 174, 171) }
```


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

```
.border{ border-color:rgb(133, 174, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 174, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 174, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 174, 171);  
box-shadow:4px 4px 4px 4px rgb(133, 174,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1596, 38.1989, 44.2062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 174, 171) }
```

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

```
.background{ background-color: rgb(133,  
174, 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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