

Converting Colors

XYZ(31.8635, 40.9724, 41.4636)

Have a look what the booklet for
XYZ(31.8635, 40.9724, 41.4636)
contains.

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Color

**XYZ(31.8674, 41.0989,
41.3753)**

Conversions

Conversions Part 1

Format	Color
Hex	7AB8A4
RGB	122, 184, 164
RGB Percent	48%, 72%, 64%
CMY	0.5216, 0.2784, 0.3569
CMYK	0.34, 0.00, 0.11, 0.28
HSL	161°, 30%, 60%
HSV	161°, 34%, 72%
XYZ	31.8674, 41.0989, 41.3753
YIQ	163.1820, -30.5320, -19.3640

Conversions

Conversions Part 2

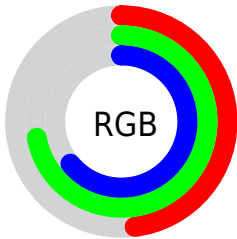
Format	Color
RYB	122, 159, 184
Decimal	8042660
CIELab	70.25, -24.39, 3.84
CIElCh	70, 24.692, 171.063
Yxy	41.0989, 0.2787, 0.3594
Android (android.graphics.Color)	4286232740 (0xFF7AB8A4)
YUV	163.1820, 0.4033, -36.1166
Hunter-Lab	64.1084, -23.4599, 6.6104

Details

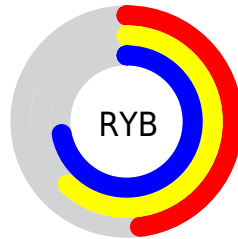
The XYZ color **31.8674, 41.0989, 41.3753** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.6106, 26.0635, 28.9575**, and the grayscale version is **34.9082, 36.7261, 39.9947**.

A 20% lighter version of the original color is **61.8508, 76.6648, 78.5557**, and **13.5667, 18.7045, 18.2245** is the 20% darker color. If you saturate the color by 10%, you get **28.9812, 39.6726, 38.5074**, and if you desaturate by 10%, it is **35.2742, 42.7928, 44.4000**.

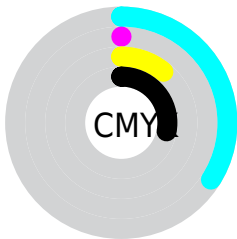
Distribution



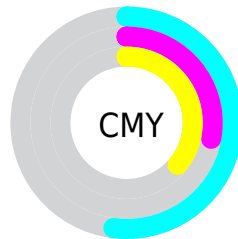
- Red (48%)
- Green (72%)
- Blue (64%)



- Red (48%)
- Yellow (62%)
- Blue (72%)



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (28%)



- Cyan (52%)
- Magenta (28%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8674, 41.0989, 41.3753 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 31.8674, 41.0989, 41.3753 by changing the saturation by 10% instead.

■ 31.8674, 41.0989,
41.3753

■ 31.8674, 41.0989,
41.3753

302.2708,
350.7338, 367.6097

■ 21.4153, 28.3964,
28.2905

■ 61.9698, 76.8340,
78.5131

■ 13.5421, 18.6247,
18.3038

■ 82.3507, 100.6354,
103.4033

■ 7.8824, 11.3994,
10.9967

■ 106.7720,
128.9051, 133.0657

■ 4.0710, 6.3361,
5.9504

135.5990,
162.0277, 167.9188

■ 1.7424, 3.0505,
2.7467

169.1970,
200.3875, 208.3812

■ 0.4826, 1.1582,
0.9668

207.9314,

■ 0.0000, 0.0271,

244.3688, 254.8715

0.0000

252.1675,
294.3561, 307.8082

■ 0.0000, 0.0000,
0.0000

■ 31.8674, 41.0989,
41.3753

■ 31.8674, 41.0989,
41.3753

■ 28.9812, 39.6726,
38.5074

■ 35.2742, 42.7928,
44.4000

■ 26.5840, 38.4944,
35.7904

■ 39.2242, 44.7628,
47.5815

■ 24.6457, 37.5501,
33.2220

■ 43.7429, 47.0230,
50.9238

■ 23.1318, 36.8217,
30.7986

■ 48.8529, 49.5850,
54.4294

■ 22.0022, 36.2887,
28.5167

■ 54.5758, 52.4599,
58.1011

■ 21.2090, 35.9264,
26.3719

■ 60.9321, 55.6583,
61.9414

■ 20.8201, 35.7540,
25.0865

■ 67.9410, 59.1900,
65.9528

■ 70.2006, 60.2702,
69.8840

■ 70.9611, 60.5744,
73.8886

Harmonies

Analogous

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



33.3161, 41.0989, 32.1510



31.8674, 41.0989, 41.3753



32.2404, 41.0989, 53.2492

Triad

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



31.8674, 41.0989, 41.3753



41.9281, 41.0989, 68.9427



44.1622, 41.0989, 29.5530

Complementary

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



31.8674, 41.0989, 41.3753



31.6106, 26.0635, 28.9575

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.



46.7866, 41.0989, 37.2065



31.8674, 41.0989, 41.3753



45.4361, 41.0989, 60.2725

Square

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



31.8674, 41.0989, 41.3753



37.8665, 41.0989, 70.5814



47.2682, 41.0989, 48.3028



40.2850, 41.0989, 26.1428

Rectangle

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



31.8674, 41.0989, 41.3753



33.4834, 41.0989, 61.0488



47.2682, 41.0989, 48.3028



45.2310, 41.0989, 31.6452

Sweetspot

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



31.8686, 41.1006, 41.3762



73.8719, 82.5258, 88.3551



31.9247, 41.4978, 24.7403



15.6859, 17.6712, 18.8673



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.8686, 41.1006, 41.3762



54.0220, 72.6488, 71.3468



31.7508, 37.7433, 50.9611



9.1401, 10.1600, 10.8950



14.3819, 24.6537, 17.4648



0.5340, 0.8799, 0.7578

Inverse Universe

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



31.6106, 26.0635, 28.9575



53.4929, 41.4502, 45.6109



31.5779, 28.1897, 22.1899



9.1208, 9.0587, 9.9837



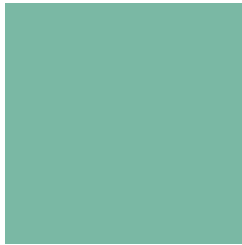
14.2030, 7.2550, 3.6899



0.5298, 0.2674, 0.2835

Previews

White Background



This preview shows how the XYZ color 31.8674, 41.0989, 41.3753 looks on a white background.

Color Contrast Check

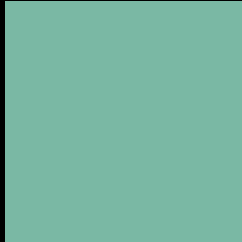
Large Text (above 18pt) WCAG AA × Fail

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 31.8674, 41.0989, 41.3753 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 31.8674, 41.0989, 41.3753

Background



This preview shows how black text looks on a background with the XYZ color 31.8674, 41.0989, 41.3753.

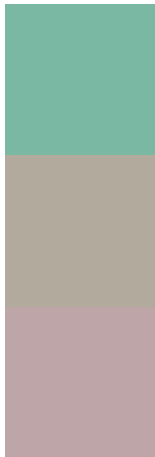


This preview shows how white text looks on a background with the XYZ color 31.8674, 41.0989,

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

31.8674, 41.0989, 41.3753

Protanopia

38.5920, 40.5309, 37.6875

Deuteranopia

41.5093, 40.5562, 42.6861



Tritanopia

35.1121, 41.2047, 57.1416

Trichromacy



Original Color

31.8674, 41.0989, 41.3753

Protanomaly

35.5798, 40.3661, 39.1739

Deuteranomaly

37.2446, 40.2944, 42.3738

Tritanomaly

33.6753, 40.9023, 50.9198

Monochromacy



Original Color

31.8674, 41.0989, 41.3753

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.3865, 38.0661, 40.2382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8674, 41.0989, 41.3753 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(122, 184, 164)` looks like.

```
.text, #text, p{  
    color:rgb(122, 184, 164)  
}
```

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(122, 184, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 184, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.8674, 41.0989, 41.3753 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(122, 184, 164) }
```


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

```
.border{ border-color:rgb(122, 184, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 184, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 184, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 184, 164);  
box-shadow:4px 4px 4px 4px rgb(122, 184,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8674, 41.0989, 41.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 184, 164) }
```

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

```
.background{ background-color: rgb(122,  
184, 164) }
```

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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