

Converting Colors

XYZ(32.7323, 41.4224, 41.3577)

Have a look what the booklet for
XYZ(32.7323, 41.4224, 41.3577)
contains.

XYZ(32.8946, 41.6284, 41.4233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.8946, 41.6284,
41.4233)**

Conversions

Conversions Part 1

Format	Color
Hex	81B8A4
RGB	129, 184, 164
RGB Percent	51%, 72%, 64%
CMY	0.4941, 0.2784, 0.3569
CMYK	0.30, 0.00, 0.11, 0.28
HSL	158°, 28%, 61%
HSV	158°, 30%, 72%
XYZ	32.8946, 41.6284, 41.4233
YIQ	165.2750, -26.3600, -17.8800

Conversions

Conversions Part 2

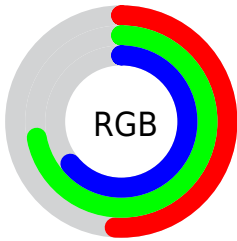
Format	Color
RYB	129, 163, 184
Decimal	8501412
CIELab	70.61, -22.29, 4.42
CIELCh	71, 22.722, 168.794
Yxy	41.6284, 0.2837, 0.3590
Android (android.graphics.Color)	4286691492 (0xFF81B8A4)
YUV	165.2750, -0.6286, -31.8132
Hunter-Lab	64.5201, -21.9046, 7.0986

Details

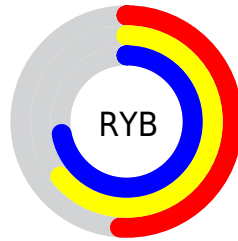
The XYZ color **32.8946, 41.6284, 41.4233** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.0437, 28.0619, 32.1104**, and the grayscale version is **35.9091, 37.7792, 41.1415**.

A 20% lighter version of the original color is **63.4747, 77.5019, 78.6317**, and **14.1828, 19.0222, 18.2534** is the 20% darker color. If you saturate the color by 10%, you get **29.7591, 40.0811, 38.2051**, and if you desaturate by 10%, it is **36.5676, 43.4513, 44.8344**.

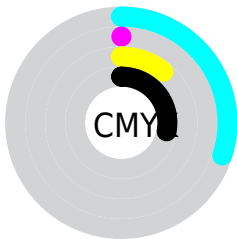
Distribution



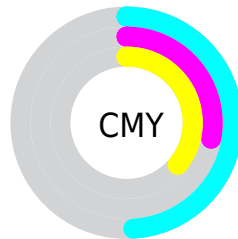
- Red (51%)
- Green (72%)
- Blue (64%)



- Red (51%)
- Yellow (64%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (11%)
- Black (28%)



- Cyan (49%)
- Magenta (28%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8946, 41.6284, 41.4233 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 32.8946, 41.6284, 41.4233 by changing the saturation by 10% instead.

■ 32.8946, 41.6284,
41.4233

■ 32.8946, 41.6284,
41.4233

306.8479,
352.9402, 367.8156

■ 22.2046, 28.8104,
28.3278

■ 63.5667, 77.6369,
78.5867

■ 14.1247, 18.9375,
18.3317

■ 84.2795, 101.5962,
103.4917

■ 8.2898, 11.6251,
11.0165

■ 109.0639,
130.0382, 133.1702

■ 4.3343, 6.4889,
5.9636

138.2853,
163.3470, 168.0409

■ 1.8929, 3.1446,
2.7545

172.3091,
201.9073, 208.5223

■ 0.5727, 1.2077,
0.9707

211.5005,

■ 0.0000, 0.0680,

246.1033, 255.0328

0.0000

256.2250,
296.3195, 307.9910

■ 0.0000, 0.0000,
0.0000

■ 32.8946, 41.6284,
41.4233

■ 32.8946, 41.6284,
41.4233

■ 29.7591, 40.0811,
38.2051

■ 36.5676, 43.4513,
44.8344

■ 27.1299, 38.7901,
35.1732

■ 40.8000, 45.5578,
48.4394

■ 24.9784, 37.7418,
32.3246

■ 45.6168, 47.9618,
52.2425

■ 23.2710, 36.9189,
29.6550

■ 51.0404, 50.6747,
56.2474

■ 21.9700, 36.3021,
27.1599

■ 57.0920, 53.7075,
60.4572

■ 21.0308, 35.8684,
24.8346

■ 63.7916, 57.0705,
64.8751

■ 20.3640, 35.5718,
22.6719

■ 70.1193, 60.2377,
69.4558

■ 20.3573, 35.5688,
22.6492

■ 70.9752, 60.5800,
73.9627

■ 71.8664, 60.9365,
78.6556

Harmonies

Analogous

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



34.3764, 41.6284, 33.0170



32.8946, 41.6284, 41.4233



33.1139, 41.6284, 52.3241

Triad

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



32.8946, 41.6284, 41.4233



41.9400, 41.6284, 67.8698



44.5190, 41.6284, 31.4741

Complementary

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



32.8946, 41.6284, 41.4233



33.0437, 28.0619, 32.1104

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.



46.8073, 41.6284, 38.9819



32.8946, 41.6284, 41.4233



45.2545, 41.6284, 60.3678

Square

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



32.8946, 41.6284, 41.4233



38.1792, 41.6284, 68.8017



47.0847, 41.6284, 49.4670



40.9871, 41.6284, 27.9092

Rectangle

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



32.8946, 41.6284, 41.4233



34.1988, 41.6284, 59.5641



47.0847, 41.6284, 49.4670



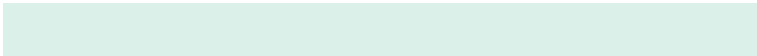
45.4685, 41.6284, 33.5599

Sweetspot

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



32.8958, 41.6301, 41.4242



74.5681, 82.8866, 88.3043



33.5291, 42.2730, 27.1619



15.8195, 17.7411, 18.8270



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.



32.8958, 41.6301, 41.4242



55.7103, 73.5255, 71.1358



33.3627, 39.4422, 51.2040



9.1243, 10.1537, 10.8120



14.0644, 24.5267, 15.7927



0.5244, 0.8761, 0.7073

Inverse Universe

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



33.0437, 28.0619, 32.1104



56.0263, 44.8830, 51.4928



32.5821, 29.4788, 24.7423



9.1360, 9.0648, 10.0635



14.3512, 7.3142, 4.4700



0.5361, 0.2699, 0.3168

Previews

White Background



This preview shows how the XYZ color 32.8946, 41.6284, 41.4233 looks on a white background.

Color Contrast Check

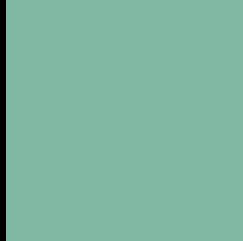
Large Text (above 18pt) WCAG AA × Fail

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 32.8946, 41.6284, 41.4233 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 32.8946, 41.6284, 41.4233

Background



This preview shows how black text looks on a background with the XYZ color 32.8946, 41.6284, 41.4233.

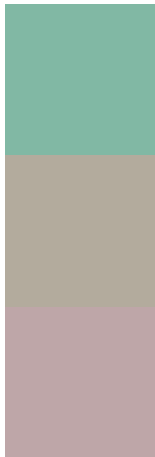


This preview shows how white text looks on a background with the XYZ color 32.8946, 41.6284,

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

32.8946, 41.6284, 41.4233

Protanopia

39.2391, 41.1438, 37.7717

Deuteranopia

41.9393, 41.0467, 42.7582



Tritanopia

36.0505, 41.6885, 57.1855

Trichromacy



Original Color

32.8946, 41.6284, 41.4233

Protanomaly

36.5684, 41.1658, 39.2761

Deuteranomaly

38.0671, 41.0020, 42.4670

Tritanomaly

34.7440, 41.4532, 50.9698

Monochromacy



Original Color

32.8946, 41.6284, 41.4233

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4929, 38.8971, 41.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8946, 41.6284, 41.4233 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(129, 184, 164)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 184, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 164) }
```

Border

The CSS property to change the border of an element to XYZ 32.8946, 41.6284, 41.4233 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(129, 184, 164) }
```


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

```
.border{ border-color:rgb(129, 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(129, 184, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 164);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8946, 41.6284, 41.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 164) }
```

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

```
.background{ background-color: rgb(129,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor