

Converting Colors

XYZ(32.8209, 40.2882, 45.0763)

Have a look what the booklet for
XYZ(32.8209, 40.2882, 45.0763)
contains.

XYZ(32.8209, 40.2882, 45.0763)	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(32.8209, 40.2882,
45.0763)**

Conversions

Conversions Part 1

Format	Color
Hex	81B4AC
RGB	129, 180, 172
RGB Percent	51%, 71%, 67%
CMY	0.4941, 0.2941, 0.3255
CMYK	0.28, 0.00, 0.04, 0.29
HSL	171°, 25%, 61%
HSV	171°, 28%, 71%
XYZ	32.8209, 40.2882, 45.0763
YIQ	163.8390, -27.8280, -13.3000

Conversions

Conversions Part 2

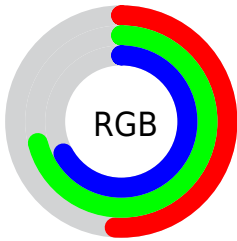
Format	Color
RYB	129, 157, 180
Decimal	8500396
CIELab	69.67, -18.50, -1.35
CIElCh	70, 18.550, 184.158
Yxy	40.2882, 0.2777, 0.3409
Android (android.graphics.Color)	4286690476 (0xFF81B4AC)
YUV	163.8390, 4.0234, -30.5538
Hunter-Lab	63.4730, -18.7781, 2.3254

Details

The XYZ color **32.8209, 40.2882, 45.0763** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.1894, 27.2110, 27.2769**, and the grayscale version is **35.2019, 37.0352, 40.3313**.

A 20% lighter version of the original color is **63.3890, 75.6042, 83.9252**, and **14.1214, 18.1545, 20.5292** is the 20% darker color. If you saturate the color by 10%, you get **30.0558, 38.8948, 43.5467**, and if you desaturate by 10%, it is **36.0758, 41.9355, 46.6607**.

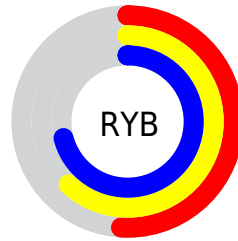
Distribution



Red (51%)

Green (71%)

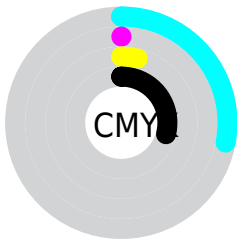
Blue (67%)



Red (51%)

Yellow (62%)

Blue (71%)

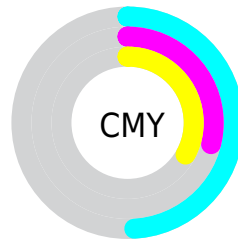


Cyan (28%)

Magenta (0%)

Yellow (4%)

Black (29%)



Cyan (49%)

Magenta (29%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8209, 40.2882, 45.0763 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 32.8209, 40.2882, 45.0763 by changing the saturation by 10% instead.

■ 32.8209, 40.2882,
45.0763

■ 32.8209, 40.2882,
45.0763

306.5212,
347.3368, 383.2516

■ 22.1479, 27.7633,
31.1741

■ 63.4524, 75.6022,
84.1546

■ 14.0828, 18.1473,
20.4719

■ 84.1415, 99.1601,
110.1677

■ 8.2604, 11.0558,
12.5511

■ 108.9000,
127.1644, 141.0550

■ 4.3152, 6.1044,
6.9931

138.0933,
159.9996, 177.2349

■ 1.8820, 2.9087,
3.3794

172.0867,
198.0500, 219.1260

■ 0.5663, 1.0842,
1.2915

211.2456,

■ 0.0000, 0.0000,

241.7001, 267.1468

0.0548

255.9353,
291.3342, 321.7158

■ 0.0000, 0.0000,
0.0000

■ 32.8209, 40.2882,
45.0763

■ 32.8209, 40.2882,
45.0763

■ 30.0558, 38.8948,
43.5467

■ 36.0758, 41.9355,
46.6607

■ 27.7517, 37.7373,
42.0677

■ 39.8403, 43.8439,
48.2983

■ 25.8820, 36.8032,
40.6387

■ 44.1378, 46.0262,
49.9914

■ 24.4163, 36.0766,
39.2582

■ 48.9886, 48.4933,
51.7409

■ 23.3199, 35.5398,
37.9244

■ 54.4125, 51.2550,
53.5482

■ 22.5523, 35.1718,
36.6351

■ 60.4279, 54.3210,
55.4140

■ 22.0460, 34.9379,
35.3870

■ 67.0511, 57.6996,
57.3395

■ 21.9699, 34.9031,
35.1822

■ 67.3666, 57.8258,
59.0012

■ 67.6882, 57.9544,
60.6946

Harmonies

Analogous

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



33.3305, 40.2882, 37.0505



32.8209, 40.2882, 45.0763



33.7134, 40.2882, 53.8159

Triad

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



32.8209, 40.2882, 45.0763



41.6250, 40.2882, 59.0127



40.8635, 40.2882, 30.6109

Complementary

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



32.8209, 40.2882, 45.0763



31.1894, 27.2110, 27.2769

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.



43.2690, 40.2882, 35.2267



32.8209, 40.2882, 45.0763



43.7246, 40.2882, 51.4722

Square

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



32.8209, 40.2882, 45.0763



38.7127, 40.2882, 62.5006



44.3412, 40.2882, 42.6795



37.8758, 40.2882, 29.3624

Rectangle

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



32.8209, 40.2882, 45.0763



35.0122, 40.2882, 58.6740



44.3412, 40.2882, 42.6795



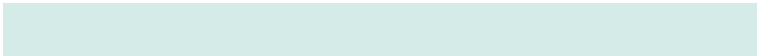
41.7720, 40.2882, 31.7876

Sweetspot

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



32.8221, 40.2898, 45.0772



71.6401, 79.1926, 87.3240



30.6836, 39.5899, 26.7940



15.2618, 17.0036, 18.7805



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.



32.8221, 40.2898, 45.0772



56.2763, 71.4187, 79.9861



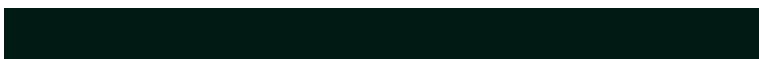
30.3899, 34.1582, 48.1734



8.6842, 9.6082, 10.5968



15.3533, 24.3673, 24.6610



0.4984, 0.7728, 0.8569

Inverse Universe

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



31.1894, 27.2110, 27.2769



52.8306, 43.7853, 42.3965



33.0651, 31.8473, 25.1740



8.5489, 8.5263, 9.1231



13.3018, 6.8383, 1.4833



0.4353, 0.2219, 0.1348

Previews

White Background



This preview shows how the XYZ color 32.8209, 40.2882, 45.0763 looks on a white background.

Color Contrast Check

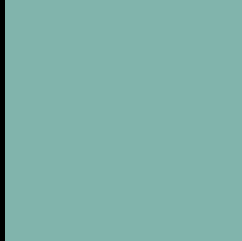
Large Text (above 18pt) WCAG AA × Fail

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 32.8209, 40.2882, 45.0763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

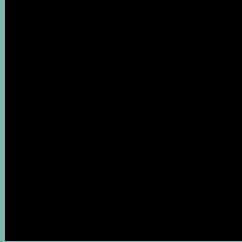
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8209, 40.2882, 45.0763

Background



This preview shows how black text looks on a background with the XYZ color 32.8209, 40.2882, 45.0763.



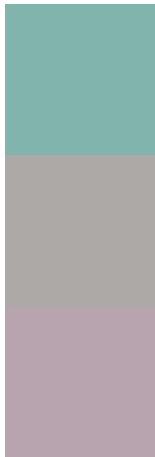
This preview shows how white text looks on a background with the XYZ color 32.8209, 40.2882,

45.0763.

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

32.8209, 40.2882, 45.0763

Protanopia

38.3045, 40.0133, 41.7809

Deuteranopia

40.5418, 39.7133, 46.0861



Tritanopia

34.7990, 40.1924, 55.2140

Trichromacy



Original Color

32.8209, 40.2882, 45.0763

Protanomaly

35.9161, 39.8824, 42.8509

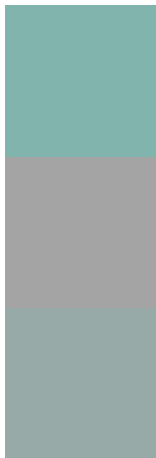
Deuteranomaly

37.1190, 39.5920, 45.7300

Tritanomaly

34.0878, 40.2070, 51.3115

Monochromacy



Original Color

32.8209, 40.2882, 45.0763

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.1123, 38.1188, 42.1190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8209, 40.2882, 45.0763 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, 180, 172)` looks like.

```
.text, #text, p{  
    color:rgb(129, 180, 172)  
}
```

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, 180, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 180, 172) }
```

Border

The CSS property to change the border of an element to XYZ 32.8209, 40.2882, 45.0763 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, 180, 172) }
```


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

```
.border{ border-color:rgb(129, 180, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 180, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 180, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 180, 172);  
box-shadow:4px 4px 4px 4px rgb(129, 180,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8209, 40.2882, 45.0763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 180, 172) }
```

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

```
.background{ background-color: rgb(129,  
180, 172) }
```

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