

# Converting Colors

XYZ(32.0778, 43.2403, 29.8270)

Have a look what the booklet for  
XYZ(32.0778, 43.2403, 29.8270)  
contains.

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# Color

**XYZ(32.2175, 43.4298,  
29.9773)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83BE88
RGB	131, 190, 136
RGB Percent	51%, 75%, 53%
CMY	0.4863, 0.2549, 0.4667
CMYK	0.31, 0.00, 0.28, 0.25
HSL	125°, 31%, 63%
HSV	125°, 31%, 75%
XYZ	32.2175, 43.4298, 29.9773
YIQ	166.2030, -17.8300, -29.3020

# Conversions

## Conversions Part 2

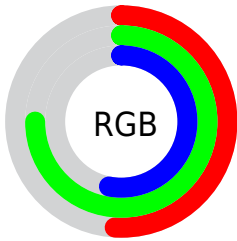
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 185, 190
Decimal	8633992
CIELab	71.85, -30.02, 21.35
CIElCh	72, 36.840, 144.584
Yxy	43.4298, 0.3050, 0.4112
Android (android.graphics.Color)	4286824072 (0xFF83BE88)
YUV	166.2030, -14.8901, -30.8730
Hunter-Lab	65.9013, -28.0631, 19.1610

# Details

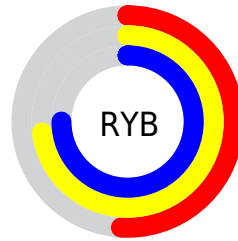
The XYZ color **32.2175, 43.4298, 29.9773** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.1100, 30.6835, 49.8147**, and the grayscale version is **36.4206, 38.3173, 41.7276**.

A 20% lighter version of the original color is **62.5626, 80.5535, 60.9662**, and **13.7083, 19.9425, 11.9309** is the 20% darker color. If you saturate the color by 10%, you get **28.4030, 41.5960, 23.8626**, and if you desaturate by 10%, it is **36.7745, 45.6257, 37.1754**.

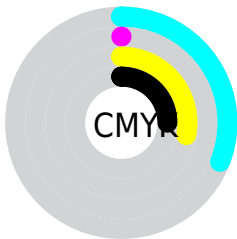
# Distribution



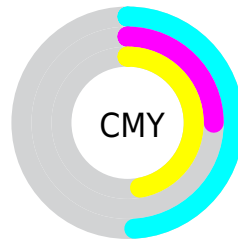
- Red (51%)
- Green (75%)
- Blue (53%)



- Red (51%)
- Yellow (73%)
- Blue (75%)



- Cyan (31%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)



- Cyan (49%)
- Magenta (25%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2175, 43.4298, 29.9773 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 32.2175, 43.4298, 29.9773 by changing the saturation by 10% instead.



■ 32.2175, 43.4298,  
29.9773

■ 32.2175, 43.4298,  
29.9773

303.8366,  
360.3763, 316.0026

■ 21.6840, 30.2225,  
19.5695

■ 62.5148, 80.3590,  
60.6869

■ 13.7402, 20.0075,  
11.9015

■ 83.0093, 104.8498,  
81.8257

■ 8.0207, 12.4005,  
6.5549

■ 107.5550,  
133.8704, 107.3785

■ 4.1601, 7.0171,  
3.1112

136.5170,  
167.8054, 137.7640

■ 1.7931, 3.4728,  
1.1517

170.2608,  
207.0391, 173.4006

■ 0.5135, 1.3833,  
0.0000

209.1518,

■ 0.0000, 0.2043,

251.9559, 214.7069

0.0000

253.5553,  
302.9401, 262.1014

■ 0.0000, 0.0000,  
0.0000

■ 32.2175, 43.4298,  
29.9773

■ 32.2175, 43.4298,  
29.9773

■ 28.4030, 41.5960,  
23.8626

■ 36.7745, 45.6257,  
37.1754

■ 25.2884, 40.0997,  
18.7761

■ 42.1068, 48.1958,  
45.5027

■ 22.8320, 38.9219,  
14.6623


■ 48.2496, 51.1586,  
55.0058

■ 20.9863, 38.0394,  
11.4590


■ 55.2347, 54.5294,  
65.7281


■ 19.6973, 37.4259,  
9.0972

■ 63.0922, 58.3230,  
77.7104

 18.9016, 37.0502,  
7.4977

 71.8508, 62.5534,  
90.9920

 18.5086, 36.8663,  
6.6347

 77.7043, 65.3086,  
103.1181

# Harmonies

## Analogous

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



36.4663, 43.4298, 22.3381



32.2175, 43.4298, 29.9773



30.4082, 43.4298, 44.1051

# Triad

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



32.2175, 43.4298, 29.9773



40.1520, 43.4298, 90.6298



53.2331, 43.4298, 34.3357

# Complementary

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



32.2175, 43.4298, 29.9773



38.1100, 30.6835, 49.8147

# 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.



54.4729, 43.4298, 50.6198



32.2175, 43.4298, 29.9773



46.4969, 43.4298, 86.1182

# Square

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



32.2175, 43.4298, 29.9773



34.6828, 43.4298, 81.3521



51.8971, 43.4298, 70.2354



48.6620, 43.4298, 24.3723



# Rectangle

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



32.2175, 43.4298, 29.9773



30.6818, 43.4298, 56.5195



51.8971, 43.4298, 70.2354



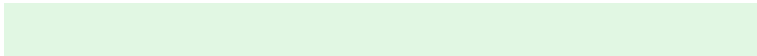
54.0715, 43.4298, 39.1202

# Sweetspot

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



32.2186, 43.4316, 29.9783



78.3085, 88.3023, 85.5718



42.5397, 48.7925, 28.6490



16.8540, 19.2255, 18.2602



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

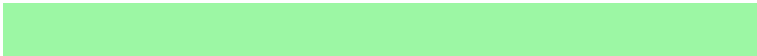


# Same Dimension

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



32.2186, 43.4316, 29.9783



53.7090, 76.4523, 46.8527



34.6044, 44.3859, 42.5413



9.4407, 10.6624, 10.3044



12.3192, 24.5179, 4.4776



0.4938, 0.9649, 0.2347



# Inverse Universe

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



38.1100, 30.6835, 49.8147



66.0092, 49.8251, 88.2600



35.3184, 29.5669, 35.1144



9.8941, 9.6820, 11.8315



19.2080, 9.3144, 27.4528



0.7628, 0.3690, 1.1300



# Previews

## White Background



This preview shows how the XYZ color 32.2175, 43.4298, 29.9773 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 32.2175, 43.4298, 29.9773 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

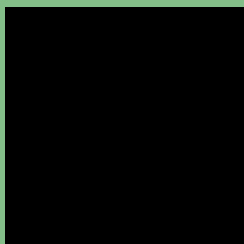
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 32.2175, 43.4298, 29.9773**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.2175, 43.4298, 29.9773.



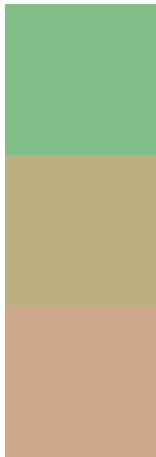
This preview shows how white text looks on a background with the XYZ color 32.2175, 43.4298,

29.9773.

# 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

32.2175, 43.4298, 29.9773

### Protanopia

40.0315, 42.9363, 26.9465

### Deuteranopia

43.7122, 42.7657, 31.1500



## Tritanopia

37.9613, 43.2379, 59.1683

# Trichromacy



## Original Color

32.2175, 43.4298, 29.9773

## Protanomaly

36.4225, 42.5239, 28.1181

## Deuteranomaly

38.3170, 42.2619, 30.5639

## Tritanomaly

35.5681, 43.1963, 47.0205

# Monochromacy



## Original Color

32.2175, 43.4298, 29.9773

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

34.3832, 39.7988, 36.8801

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.2175, 43.4298, 29.9773 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, 190, 136)` looks like.

```
.text, #text, p{  
    color:rgb(131, 190, 136)  
}
```

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, 190, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 190, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 32.2175, 43.4298, 29.9773 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, 190, 136) }
```



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

```
.border{ border-color:rgb(131, 190, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 190, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 190, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 190, 136); box-shadow:4px 4px 4px 4px rgb(131, 190, 136) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.2175, 43.4298, 29.9773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 190, 136) }
```

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

```
.background{ background-color: rgb(131,  
190, 136) }
```

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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