

# Converting Colors

XYZ(32.7344, 42.3021, 36.7503)

Have a look what the booklet for  
XYZ(32.7344, 42.3021, 36.7503)  
contains.

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# Color

**XYZ(32.6687, 42.2430,  
36.5689)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83BA99
RGB	131, 186, 153
RGB Percent	51%, 73%, 60%
CMY	0.4863, 0.2706, 0.4000
CMYK	0.30, 0.00, 0.18, 0.27
HSL	144°, 28%, 62%
HSV	144°, 30%, 73%
XYZ	32.6687, 42.2430, 36.5689
YIQ	165.7930, -22.1870, -21.9230

# Conversions

## Conversions Part 2

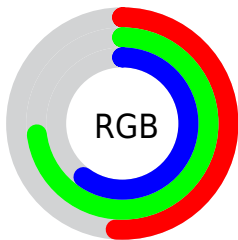
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 170, 186
Decimal	8632985
CIELab	71.04, -24.92, 11.04
CIELCh	71, 27.260, 156.099
Yxy	42.2430, 0.2930, 0.3789
Android (android.graphics.Color)	4286823065 (0xFF83BA99)
YUV	165.7930, -6.3069, -30.5135
Hunter-Lab	64.9946, -24.0199, 12.1370

# Details

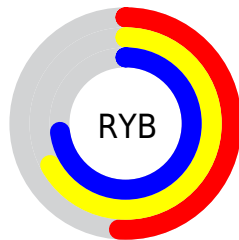
The XYZ color **32.6687, 42.2430, 36.5689** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.0682, 29.3529, 38.9409**, and the grayscale version is **36.1836, 38.0679, 41.4560**.

A 20% lighter version of the original color is **63.0222, 78.3235, 70.8278**, and **14.0941, 19.4398, 15.5798** is the 20% darker color. If you saturate the color by 10%, you get **29.1635, 40.5387, 31.8164**, and if you desaturate by 10%, it is **36.7796, 44.2519, 41.8017**.

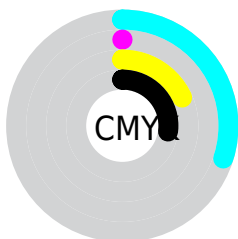
# Distribution



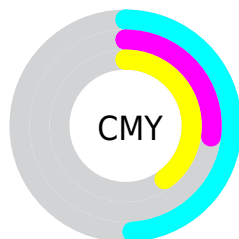
- Red (51%)
- Green (73%)
- Blue (60%)



- Red (51%)
- Yellow (67%)
- Blue (73%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)




- Cyan (49%)
- Magenta (27%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6687, 42.2430, 36.5689 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 32.6687, 42.2430, 36.5689 by changing the saturation by 10% instead.




 32.6687, 42.2430,  
36.5689


 32.6687, 42.2430,  
36.5689


305.8457,  
355.4893, 346.5526


 22.0308, 29.2916,  
24.5807


 63.2161, 78.5673,  
71.0882

 13.9963, 19.3015,  
15.5488


 83.8563, 102.7089,  
94.4563

 8.1997, 11.8884,  
9.0546


 108.5613,  
131.3495, 122.4549

 4.2759, 6.6677,  
4.6795

137.6964,  
164.8733, 155.5024

 1.8594, 3.2552,  
2.0050

171.6271,  
203.6648, 194.0174

 0.5531, 1.2664,  
0.5584

210.7186,

 0.0000, 0.1149,

248.1084, 238.4184

0.0000

255.3363,  
298.5884, 289.1239

■ 0.0000, 0.0000,  
0.0000

■ 32.6687, 42.2430,  
36.5689

■ 32.6687, 42.2430,  
36.5689

■ 29.1635, 40.5387,  
31.8164

■ 36.7796, 44.2519,  
41.8017

■ 26.2305, 39.1186,  
27.5276

■ 41.5207, 46.5742,  
47.5250

■ 23.8381, 37.9678,  
23.6892

■ 46.9192, 49.2250,  
53.7524

■ 21.9503, 37.0679,  
20.2859

■ 52.9997, 52.2167,  
60.4961

■ 20.5260, 36.3983,  
17.3018

■ 59.7854, 55.5609,  
67.7676

■ 19.5174, 35.9344,  
14.7197

■ 67.2986, 59.2690,  
75.5783

■ 18.8355, 35.6309,  
12.5196

■ 73.2411, 62.1560,  
83.8307

■ 18.8092, 35.6192,  
12.4332

■ 74.8696, 62.8074,  
92.4060

■ 76.6004, 63.4997,  
101.5204

# Harmonies

## Analogous

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



35.2116, 42.2430, 28.5694



32.6687, 42.2430, 36.5689



32.0616, 42.2430, 48.7104

# Triad

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



32.6687, 42.2430, 36.5689



41.0878, 42.2430, 75.6927



47.6459, 42.2430, 32.7512

# Complementary

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



32.6687, 42.2430, 36.5689



35.0682, 29.3529, 38.9409

# 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.



49.4974, 42.2430, 43.3833



32.6687, 42.2430, 36.5689



45.5314, 42.2430, 69.3670

# Square

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



32.6687, 42.2430, 36.5689



36.7080, 42.2430, 72.9287



48.6959, 42.2430, 56.9169



43.8022, 42.2430, 26.6741



# Rectangle

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



32.6687, 42.2430, 36.5689



32.7925, 42.2430, 57.9273



48.6959, 42.2430, 56.9169



48.5346, 42.2430, 35.8260

# Sweetspot

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



32.6698, 42.2448, 36.5698



75.6438, 84.6053, 86.5956



37.1568, 44.7488, 28.1521



16.3632, 18.4869, 18.7216



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



32.6698, 42.2448, 36.5698



55.2671, 74.6461, 61.0030



35.1161, 43.2233, 49.4518



9.0352, 10.1180, 10.3427



12.6886, 23.9764, 8.5481



0.4781, 0.8576, 0.4636



# Inverse Universe

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



35.0682, 29.3529, 38.9409



60.2657, 47.7629, 65.9342



32.9125, 28.4906, 27.5890



9.2247, 9.1003, 10.5307



15.6139, 7.8193, 11.1195



0.5801, 0.2875, 0.5483



# Previews

## White Background



This preview shows how the XYZ color 32.6687, 42.2430, 36.5689 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 32.6687, 42.2430, 36.5689 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 32.6687, 42.2430, 36.5689**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.6687, 42.2430, 36.5689.



This preview shows how white text looks on a background with the XYZ color 32.6687, 42.2430,



# 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

32.6687, 42.2430, 36.5689

### Protanopia

39.4233, 41.9075, 33.2053

### Deuteranopia

42.6695, 41.8075, 37.7190



## Tritanopia

36.8190, 42.0716, 57.8098

# Trichromacy



## Original Color

32.6687, 42.2430, 36.5689

## Protanomaly

36.4495, 41.7972, 34.5804

## Deuteranomaly

38.1501, 41.4431, 37.4411

## Tritanomaly

35.1195, 41.9854, 49.4330

# Monochromacy



## Original Color

32.6687, 42.2430, 36.5689

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

34.5135, 39.2327, 39.4718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.6687, 42.2430, 36.5689 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, 186, 153)` looks like.

```
.text, #text, p{  
    color:rgb(131, 186, 153)  
}
```

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, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 186, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 32.6687, 42.2430, 36.5689 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, 186, 153) }
```



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

```
.border{ border-color:rgb(131, 186, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 186, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 186, 153); box-shadow:4px 4px 4px 4px rgb(131, 186, 153) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.6687, 42.2430, 36.5689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 186, 153) }
```

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

```
.background{ background-color: rgb(131,  
186, 153) }
```

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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