

# Converting Colors

XYZ(36.1097, 42.9115, 55.6928)

Have a look what the booklet for  
XYZ(36.1097, 42.9115, 55.6928)  
contains.

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# Color

**XYZ(36.2173, 43.0291,  
55.6868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85B8BF
RGB	133, 184, 191
RGB Percent	52%, 72%, 75%
CMY	0.4784, 0.2784, 0.2510
CMYK	0.30, 0.04, 0.00, 0.25
HSL	187°, 31%, 64%
HSV	187°, 30%, 75%
XYZ	36.2173, 43.0291, 55.6868
YIQ	169.5490, -32.6430, -8.6350

# Conversions

## Conversions Part 2

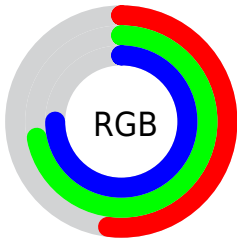
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 160, 191
Decimal	8763583
CIE <sub>Lab</sub>	71.57, -14.99, -8.95
CIE <sub>LCh</sub>	72, 17.457, 210.846
Yxy	43.0291, 0.2684, 0.3189
Android (android.graphics.Color)	4286953663 (0xFF85B8BF)
YUV	169.5490, 10.5753, -32.0535
Hunter-Lab	65.5966, -16.2402, -4.4154

# Details

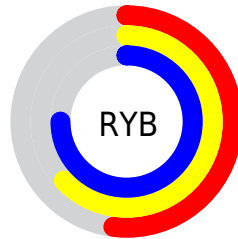
The XYZ color **36.2173, 43.0291, 55.6868** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.0981, 31.5263, 26.4265**, and the grayscale version is **37.9459, 39.9220, 43.4751**.

A 20% lighter version of the original color is **68.6876, 79.7269, 99.7643**, and **16.0971, 19.8169, 27.0214** is the 20% darker color. If you saturate the color by 10%, you get **32.9972, 40.6652, 55.4010**, and if you desaturate by 10%, it is **39.9961, 45.6947, 56.0029**.

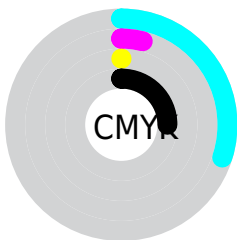
# Distribution



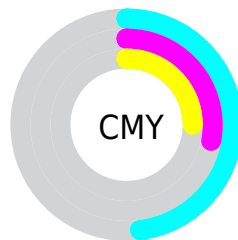
- Red (52%)
- Green (72%)
- Blue (75%)



- Red (52%)
- Yellow (63%)
- Blue (75%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)



- Cyan (48%)
- Magenta (28%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2173, 43.0291, 55.6868 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 36.2173, 43.0291, 55.6868 by changing the saturation by 10% instead.



■ 36.2173, 43.0291,  
55.6868

■ 36.2173, 43.0291,  
55.6868

321.3240,  
358.7314, 425.8652

■ 24.7730, 29.9079,  
39.5496

■ 68.6890, 79.7548,  
100.0277

■ 16.0358, 19.7687,  
26.8764

■ 90.4471, 104.1281,  
129.0685

■ 9.6405, 12.2270,  
17.2488

■ 116.3738,  
133.0209, 163.2475

■ 5.2217, 6.8985,  
10.2482

146.8345,  
166.8176, 202.9833

■ 2.4140, 3.3987,  
5.4561

182.1945,  
205.9026, 248.6944

■ 0.8521, 1.3433,  
2.4539

222.8192,

■ 0.0000, 0.1743,

250.6603, 300.7994

0.8156

269.0739,  
301.4751, 359.7168

■ 0.0000, 0.0000,  
0.0000

■ 36.2173, 43.0291,  
55.6868

■ 36.2173, 43.0291,  
55.6868

■ 32.9972, 40.6652,  
55.4010

■ 39.9961, 45.6947,  
56.0029

■ 30.3022, 38.5825,  
55.1410

■ 44.3572, 48.6710,  
56.3475

■ 28.1009, 36.7658,  
54.9064

■ 49.3277, 51.9732,  
56.7229

■ 26.3571, 35.1964,  
54.6953

■ 54.9317, 55.6137,  
57.1302

■ 25.0294, 33.8528,  
54.5060

■ 61.1920, 59.6044,  
57.5706

■ 24.0690, 32.7098,  
54.3360

■ 68.1303, 63.9564,  
58.0449

■ 23.3987, 31.7508,  
54.1862

■ 71.3297, 66.3927,  
58.3465

■ 71.8679, 67.4692,  
58.5259

■ 72.4142, 68.5619,  
58.7081

# Harmonies

## Analogous

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



35.4828, 43.0291, 47.0916



36.2173, 43.0291, 55.6868



38.1955, 43.0291, 62.5237

# Triad

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



36.2173, 43.0291, 55.6868



46.0559, 43.0291, 55.2220



40.8142, 43.0291, 32.4091

# Complementary

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



36.2173, 43.0291, 55.6868



35.0981, 31.5263, 26.4265

# 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.



43.7248, 43.0291, 34.0448



36.2173, 43.0291, 55.6868



46.8376, 43.0291, 46.6120

# Square

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



36.2173, 43.0291, 55.6868



43.8766, 43.0291, 62.2334



45.9653, 43.0291, 39.0037



38.0571, 43.0291, 34.2390



# Rectangle

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



36.2173, 43.0291, 55.6868



40.0018, 43.0291, 64.7951



45.9653, 43.0291, 39.0037



41.8072, 43.0291, 32.5699

# Sweetspot

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



36.2186, 43.0308, 55.6878



80.4724, 87.8605, 100.9966



33.0209, 44.1355, 31.5004



17.3991, 19.1106, 22.1570



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.



36.2186, 43.0308, 55.6878



61.1733, 74.3776, 99.4113



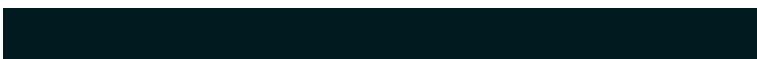
30.8379, 32.2695, 53.8942



9.7077, 10.6077, 12.2080



15.4164, 20.9445, 35.6231



0.6319, 0.8765, 1.4047



# Inverse Universe

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



38.5261, 31.3131, 49.3628



65.9887, 50.4868, 86.0865



39.8649, 41.0599, 28.0154



9.8791, 9.6759, 11.7521



18.7822, 9.1440, 25.2106

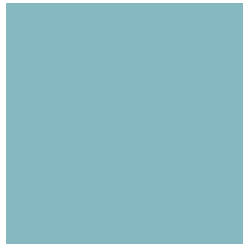


0.7499, 0.3638, 1.0620



# Previews

## White Background



This preview shows how the XYZ color 36.2173, 43.0291, 55.6868 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

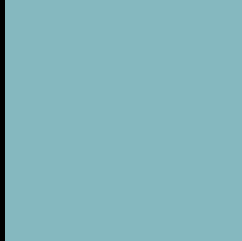
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.2173, 43.0291, 55.6868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

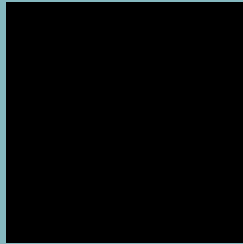
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.2173, 43.0291, 55.6868**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2173, 43.0291, 55.6868.



This preview shows how white text looks on a background with the XYZ color 36.2173, 43.0291,



# 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

36.2173, 43.0291, 55.6868

### Protanopia

41.5722, 42.8888, 51.9862

### Deuteranopia

43.6408, 42.7118, 56.9830



## Tritanopia

37.1182, 43.0951, 59.7879

# Trichromacy



## Original Color

36.2173, 43.0291, 55.6868

## Protanomaly

39.3872, 42.9022, 53.2187

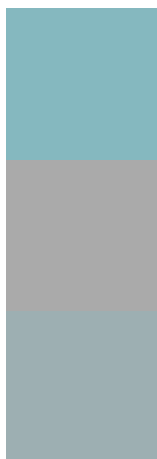
## Deuteranomaly

40.4727, 42.5095, 56.5241

## Tritanomaly

36.6153, 42.8754, 57.9757

# Monochromacy



## Original Color

36.2173, 43.0291, 55.6868

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

37.2705, 41.0424, 48.0771

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2173, 43.0291, 55.6868 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(133, 184, 191)` looks like.

```
.text, #text, p{  
    color:rgb(133, 184, 191)  
}
```

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(133, 184, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 184, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2173, 43.0291, 55.6868 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(133, 184, 191) }
```



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

```
.border{ border-color:rgb(133, 184, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 184, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 184, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 184, 191);  
box-shadow:4px 4px 4px 4px rgb(133, 184,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2173, 43.0291, 55.6868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 184, 191) }
```

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

```
.background{ background-color: rgb(133,  
184, 191) }
```

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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