

# Converting Colors

XYZ(36.1808, 43.7029, 52.4641)

Have a look what the booklet for  
XYZ(36.1808, 43.7029, 52.4641)  
contains.

<b>XYZ(36.1474, 43.6889, 52.4266)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(36.1474, 43.6889,  
52.4266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86BAB9
RGB	134, 186, 185
RGB Percent	53%, 73%, 73%
CMY	0.4745, 0.2706, 0.2745
CMYK	0.28, 0.00, 0.01, 0.27
HSL	179°, 27%, 63%
HSV	179°, 28%, 73%
XYZ	36.1474, 43.6889, 52.4266
YIQ	170.3380, -30.6710, -11.3350

# Conversions

## Conversions Part 2

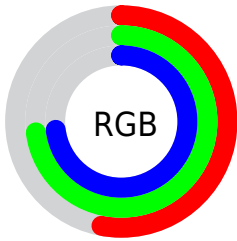
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 160, 186
Decimal	8829625
CIELab	72.02, -17.14, -5.00
CIElCh	72, 17.854, 196.257
Yxy	43.6889, 0.2733, 0.3303
Android (android.graphics.Color)	4287019705 (0xFF86BAB9)
YUV	170.3380, 7.2284, -31.8684
Hunter-Lab	66.0976, -18.0528, -0.7587

# Details

The XYZ color **36.1474, 43.6889, 52.4266** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.1495, 29.2399, 26.8201**, and the grayscale version is **38.3541, 40.3515, 43.9428**.

A 20% lighter version of the original color is **68.6156, 80.6740, 95.1743**, and **16.0321, 20.2348, 24.8905** is the 20% darker color. If you saturate the color by 10%, you get **33.4022, 42.2792, 52.1018**, and if you desaturate by 10%, it is **39.4167, 45.3710, 52.7783**.

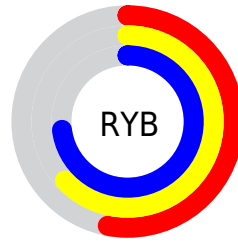
# Distribution



Red (53%)

Green (73%)

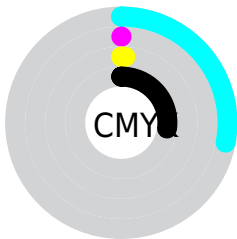
Blue (73%)



Red (53%)

Yellow (63%)

Blue (73%)

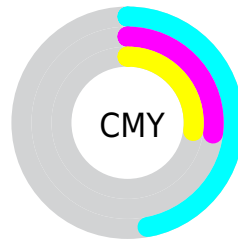


Cyan (28%)

Magenta (0%)

Yellow (1%)

Black (27%)



Cyan (47%)

Magenta (27%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1474, 43.6889, 52.4266 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 36.1474, 43.6889, 52.4266 by changing the saturation by 10% instead.



■ 36.1474, 43.6889,  
52.4266

■ 36.1474, 43.6889,  
52.4266

321.0244,  
361.4373, 413.0850

■ 24.7187, 30.4260,  
36.9606

■ 68.5819, 80.7494,  
95.1931

■ 15.9952, 20.1622,  
24.8815

■ 90.3184, 105.3158,  
123.3306

■ 9.6116, 12.5130,  
15.7706

■ 116.2215,  
134.4189, 156.5292

■ 5.2025, 7.0941,  
9.2093

146.6567,  
168.4429, 195.2072

■ 2.4025, 3.5210,  
4.7793

181.9892,  
207.7724, 239.7833

■ 0.8464, 1.4094,  
2.0619

222.5844,

■ 0.0000, 0.2236,

252.7917, 290.6759

0.5930

268.8077,  
303.8852, 348.3036

■ 0.0000, 0.0000,  
0.0000

■ 36.1474, 43.6889,  
52.4266

■ 36.1474, 43.6889,  
52.4266

■ 33.4022, 42.2792,  
52.1018

■ 39.4167, 45.3710,  
52.7783

■ 31.1499, 41.1224,  
51.7996

■ 43.2315, 47.3333,  
53.1552

■ 29.3620, 40.2051,  
51.5196

■ 47.6169, 49.5896,  
53.5592

■ 28.0056, 39.5101,  
51.2603

■ 52.5951, 52.1515,  
53.9915

■ 27.0432, 39.0183,  
51.0199

■ 58.1871, 55.0299,  
54.4530

■ 26.4311, 38.7071,  
50.7965

■ 64.4131, 58.2351,  
54.9446

■ 26.1017, 38.5416,  
50.5867

■ 67.8240, 59.9890,  
55.3051

■ 26.0465, 38.5140,  
50.5445

■ 67.8626, 60.0045,  
55.5082

■ 67.9013, 60.0199,  
55.7118

# Harmonies

## Analogous

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



36.0867, 43.6889, 43.6917



36.1474, 43.6889, 52.4266



37.6020, 43.6889, 60.7597

# Triad

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



36.1474, 43.6889, 52.4266



45.9060, 43.6889, 60.1483



42.9333, 43.6889, 33.0536

# Complementary

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



36.1474, 43.6889, 52.4266



33.1495, 29.2399, 26.8201

# 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.



45.7117, 43.6889, 36.4418



36.1474, 43.6889, 52.4266



47.4839, 43.6889, 51.6708

# Square

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



36.1474, 43.6889, 52.4266



43.1879, 43.6889, 65.5770



47.4111, 43.6889, 43.0226



39.9053, 43.6889, 33.2035



# Rectangle

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



36.1474, 43.6889, 52.4266



39.2090, 43.6889, 64.6528



47.4111, 43.6889, 43.0226



43.9304, 43.6889, 33.7969

# Sweetspot

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



36.1487, 43.6907, 52.4276



78.2264, 85.7239, 96.3306



31.9734, 42.0527, 28.9870



16.9821, 18.7520, 21.1902



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.



36.1487, 43.6907, 52.4276



62.1277, 77.4457, 94.6292



31.5692, 34.3618, 51.4249



9.2590, 10.2076, 11.5213



17.5260, 25.9113, 34.0212



0.6202, 0.9144, 1.2119



# Inverse Universe

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



33.1495, 29.2399, 26.8201



55.7295, 46.6132, 39.9970



36.8267, 36.7067, 27.6993



9.0114, 9.0149, 9.4077



13.6398, 7.0297, 0.7240



0.4832, 0.2488, 0.0381



# Previews

## White Background



This preview shows how the XYZ color 36.1474, 43.6889, 52.4266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

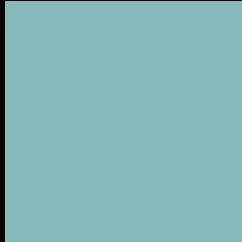
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.1474, 43.6889, 52.4266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

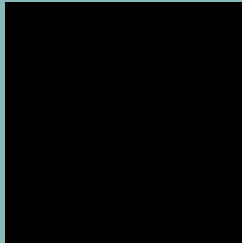
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.1474, 43.6889, 52.4266**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.1474, 43.6889, 52.4266.



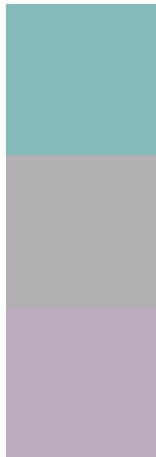
This preview shows how white text looks on a background with the XYZ color 36.1474, 43.6889,



# 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

36.1474, 43.6889, 52.4266

### Protanopia

41.7260, 43.3393, 48.2856

### Deuteranopia

44.1335, 43.3215, 53.6127



## Tritanopia

37.7658, 43.7229, 60.4817

# Trichromacy



## Original Color

36.1474, 43.6889, 52.4266

## Protanomaly

39.3609, 43.2578, 49.9911

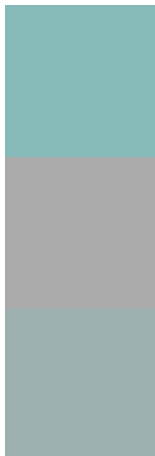
## Deuteranomaly

40.6434, 42.9634, 53.1643

## Tritanomaly

37.2399, 43.8272, 57.5357

# Monochromacy



## Original Color

36.1474, 43.6889, 52.4266

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

37.1678, 41.3139, 46.5729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.1474, 43.6889, 52.4266 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(134, 186, 185)` looks like.

```
.text, #text, p{  
    color:rgb(134, 186, 185)  
}
```

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(134, 186, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 186, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 36.1474, 43.6889, 52.4266 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(134, 186, 185) }
```



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

```
.border{ border-color:rgb(134, 186, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 186, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 186, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 186, 185);  
box-shadow:4px 4px 4px 4px rgb(134, 186,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.1474, 43.6889, 52.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 186, 185) }
```

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

```
.background{ background-color: rgb(134,  
186, 185) }
```

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