

# Converting Colors

XYZ(37.2520, 44.8200, 54.6613)

Have a look what the booklet for  
XYZ(37.2520, 44.8200, 54.6613)  
contains.

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# Color

**XYZ(37.3219, 44.8748,  
54.8387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88BCBD
RGB	136, 188, 189
RGB Percent	53%, 74%, 74%
CMY	0.4667, 0.2627, 0.2588
CMYK	0.28, 0.01, 0.00, 0.26
HSL	181°, 29%, 64%
HSV	181°, 28%, 74%
XYZ	37.3219, 44.8748, 54.8387
YIQ	172.5660, -31.3130, -10.7130

# Conversions

## Conversions Part 2

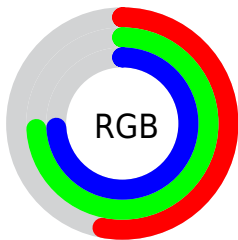
Format	Color
<a href="#">RYB</a>	<a href="#">136, 162, 189</a>
Decimal	<a href="#">8961213</a>
CIELab	<a href="#">72.81, -16.66, -6.01</a>
CIElCh	<a href="#">73, 17.710, 199.822</a>
Yxy	<a href="#">44.8748, 0.2724, 0.3275</a>
Android (android.graphics.Color)	<a href="#">4287151293</a> ( <a href="#">0xFF88BCBD</a> )
YUV	<a href="#">172.5660, 8.1020, -32.0684</a>
Hunter-Lab	<a href="#">66.9887, -17.7811, -1.6443</a>

# Details

The XYZ color **37.3219, 44.8748, 54.8387** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.3764, 30.4881, 27.3665**, and the grayscale version is **39.4722, 41.5279, 45.2238**.

A 20% lighter version of the original color is **70.3180, 82.3703, 98.5791**, and **16.7641, 20.9903, 26.4605** is the 20% darker color. If you saturate the color by 10%, you get **34.4434, 43.2793, 54.6832**, and if you desaturate by 10%, it is **40.7445, 46.7533, 55.0216**.

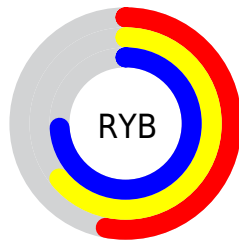
# Distribution



Red (53%)

Green (74%)

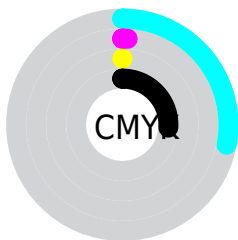
Blue (74%)



Red (53%)

Yellow (64%)

Blue (74%)

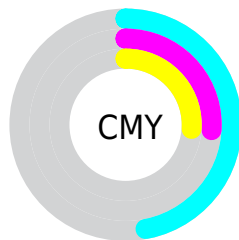


Cyan (28%)

Magenta (1%)

Yellow (0%)

Black (26%)



Cyan (47%)

Magenta (26%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3219, 44.8748, 54.8387 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 37.3219, 44.8748, 54.8387 by changing the saturation by 10% instead.





 37.3219, 44.8748,  
54.8387


 37.3219, 44.8748,  
54.8387


326.0335,  
366.2663, 422.5649


 25.6316, 31.3588,  
38.8749


 70.3782, 82.5325,  
98.7734

 16.6795, 20.8722,  
26.3553

 92.4750, 107.4430,  
127.5813

 10.1001, 13.0306,  
16.8615


 118.7713,  
136.9205, 161.5076

 5.5282, 7.4496,  
9.9749

149.6325,  
171.3494, 200.9710

 2.5983, 3.7449,  
5.2769

185.4240,  
211.1140, 246.3898

 0.9451, 1.5319,  
2.3491

226.5110,

 0.0000, 0.3110,

256.5987, 298.1827

0.7585

273.2591,  
308.1880, 356.7683

■ 0.0000, 0.0000,  
0.0000

■ 37.3219, 44.8748,  
54.8387

■ 37.3219, 44.8748,  
54.8387

■ 34.4434, 43.2793,  
54.6832

■ 40.7445, 46.7533,  
55.0216

■ 32.0767, 41.9468,  
54.5507

■ 44.7335, 48.9230,  
55.2302

■ 30.1919, 40.8630,  
54.4409

■ 49.3150, 51.3984,  
55.4665

■ 28.7547, 40.0103,  
54.3520

■ 54.5121, 54.1914,  
55.7317

■ 27.7263, 39.3685,  
54.2824

■ 60.3468, 57.3133,  
56.0268

■ 27.0610, 38.9142,  
54.2297

■ 66.8398, 60.7750,  
56.3527

■ 26.6883, 38.6110,  
54.1909

■ 68.9461, 61.9755,  
56.4734

■ 26.6273, 38.5579,  
54.1838

■ 69.0235, 62.1303,  
56.4992

■ 69.1011, 62.2856,  
56.5251

# Harmonies

## Analogous

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



37.0867, 44.8748, 45.9260



37.3219, 44.8748, 54.8387



38.9457, 44.8748, 62.9932

# Triad

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



37.3219, 44.8748, 54.8387



47.3370, 44.8748, 60.6356



43.7068, 44.8748, 34.0013

# Complementary

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



37.3219, 44.8748, 54.8387



34.3764, 30.4881, 27.3665

# 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.



46.5866, 44.8748, 37.0183



37.3219, 44.8748, 54.8387



48.7482, 44.8748, 51.9185

# Square

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



37.3219, 44.8748, 54.8387



44.6913, 44.8748, 66.6090



48.4672, 44.8748, 43.3343



40.6760, 44.8748, 34.5840



# Rectangle

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



37.3219, 44.8748, 54.8387



40.6426, 44.8748, 66.5648



48.4672, 44.8748, 43.3343



44.7269, 44.8748, 34.6125

# Sweetspot

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



37.3232, 44.8766, 54.8397



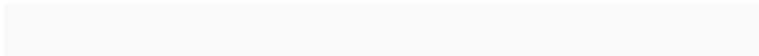
80.0503, 87.5839, 98.9125



32.8588, 43.4331, 30.2757



16.9684, 18.7011, 21.2579



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.



37.3232, 44.8766, 54.8397



63.3840, 78.4574, 98.0293



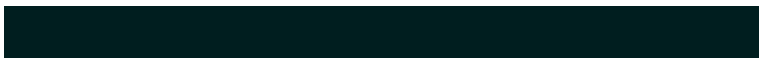
32.1925, 34.6152, 53.1295



9.7928, 10.7779, 12.2364



17.9221, 25.9560, 36.4583



0.7070, 1.0266, 1.4297



# Inverse Universe

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



38.8686, 32.0591, 51.7184



66.6437, 51.5504, 91.4165



38.5964, 38.9281, 28.7732



9.9220, 9.6931, 11.9783



20.0470, 9.6500, 31.8709



0.7878, 0.3790, 1.2615



# Previews

## White Background



This preview shows how the XYZ color 37.3219, 44.8748, 54.8387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

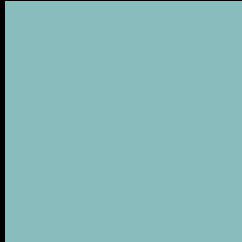
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3219, 44.8748, 54.8387 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

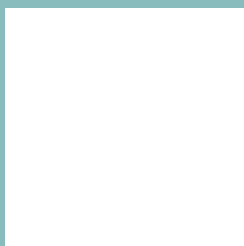
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.3219, 44.8748, 54.8387**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3219, 44.8748, 54.8387.



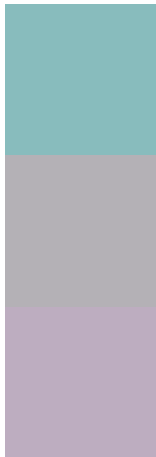
This preview shows how white text looks on a background with the XYZ color 37.3219, 44.8748,



# 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

37.3219, 44.8748, 54.8387

### Protanopia

42.9880, 44.5250, 50.5844

### Deuteranopia

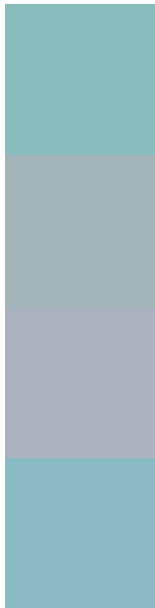
45.4443, 44.5117, 56.0656



## **Tritanopia**

38.7490, 44.8238, 61.8679

# Trichromacy



## Original Color

37.3219, 44.8748, 54.8387

## Protanomaly

40.5907, 44.4430, 52.3379

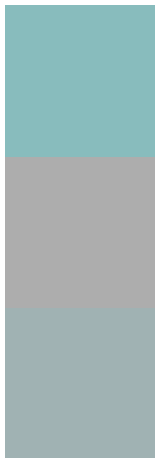
## Deuteranomaly

41.9019, 44.1484, 55.6032

## Tritanomaly

38.3296, 44.9751, 59.4842

# Monochromacy



## Original Color

37.3219, 44.8748, 54.8387

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

38.5543, 42.5690, 48.8324

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3219, 44.8748, 54.8387 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(136, 188, 189)` looks like.

```
.text, #text, p{  
    color:rgb(136, 188, 189)  
}
```

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(136, 188, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 188, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3219, 44.8748, 54.8387 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(136, 188, 189) }
```



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

```
.border{ border-color:rgb(136, 188, 189) }
```

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

Here you see how a box with a 4 pixel rgb(136, 188, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 188, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 188, 189);  
box-shadow:4px 4px 4px 4px rgb(136, 188,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3219, 44.8748, 54.8387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 188, 189) }
```

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

```
.background{ background-color: rgb(136,  
188, 189) }
```

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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