

# Converting Colors

XYZ(25.5522, 36.8402, 44.9093)

Have a look what the booklet for  
XYZ(25.5522, 36.8402, 44.9093)  
contains.

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# Color

**XYZ(25.5458, 36.8385,  
44.7939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37B5AC
RGB	55, 181, 172
RGB Percent	22%, 71%, 67%
CMY	0.7843, 0.2902, 0.3255
CMYK	0.70, 0.00, 0.05, 0.29
HSL	176°, 53%, 46%
HSV	176°, 70%, 71%
XYZ	25.5458, 36.8385, 44.7939
YIQ	142.3000, -72.2070, -29.5110

# Conversions

## Conversions Part 2

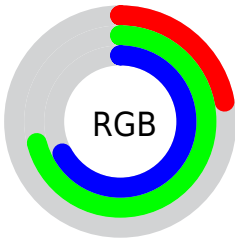
Format	Color
<a href="#">RYB</a>	55, 120, 181
Decimal	3650988
CIELab	67.16, -35.76, -5.38
CIELCh	67, 36.158, 188.550
Yxy	36.8385, 0.2383, 0.3437
Android (android.graphics.Color)	4281841068 (0xFF37B5AC)
YUV	142.3000, 14.6421, -76.5621
Hunter-Lab	60.6947, -31.0869, -1.2709

# Details

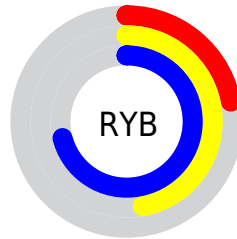
The XYZ color **25.5458, 36.8385, 44.7939** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **21.3489, 12.9274, 6.2217**, and the grayscale version is **25.7955, 27.1388, 29.5542**.

A 20% lighter version of the original color is **51.7571, 70.0364, 83.4635**, and **10.9795, 16.5348, 20.3822** is the 20% darker color. If you saturate the color by 10%, you get **24.6069, 36.3696, 44.1056**, and if you desaturate by 10%, it is **26.8516, 37.4981, 45.5074**.

# Distribution



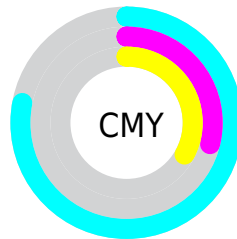
- Red (22%)
- Green (71%)
- Blue (67%)



- Red (22%)
- Yellow (47%)
- Blue (71%)



- Cyan (70%)
- Magenta (0%)
- Yellow (5%)
- Black (29%)




- Cyan (78%)
- Magenta (29%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5458, 36.8385, 44.7939 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 25.5458, 36.8385, 44.7939 by changing the saturation by 10% instead.





 25.5458, 36.8385,  
44.7939


 25.5458, 36.8385,  
44.7939


272.8430,  
332.6108, 382.0740


 16.6151, 25.0825,  
30.9534


 51.9778, 70.3243,  
83.7262


 10.0540, 16.1385,  
20.3052

 70.2098, 92.8229,  
109.6551


 5.4973, 9.6222,  
12.4308


 92.2730, 119.6712,  
140.4504

 2.5796, 5.1492,  
6.9117

 118.5326,  
151.2534, 176.5309

 0.9356, 2.3351,  
3.3293

 149.3541,  
187.9541, 218.3149

 0.0000, 0.7922,  
1.2651

185.1027,

 0.0000, 0.0000,

230.1577, 266.2211

0.0330

226.1439,  
278.2484, 320.6679

■ 0.0000, 0.0000,  
0.0000

■ 25.5458, 36.8385,  
44.7939

■ 25.5458, 36.8385,  
44.7939

■ 24.6069, 36.3696,  
44.1056

■ 26.8516, 37.4981,  
45.5074

■ 23.9897, 36.0656,  
43.4377

■ 28.5567, 38.3625,  
46.2450

■ 23.6125, 35.8851,  
42.7874

■ 30.6937, 39.4495,  
47.0092

■ 23.5990, 35.8787,  
42.7623

■ 33.2909, 40.7736,  
47.8014

■ 36.3741, 42.3480,  
48.6226

■ 39.9674, 44.1853,  
49.4741

■ 44.0931, 46.2969,  
50.3569

■ 48.7722, 48.6937,  
51.2721

■ 54.0247, 51.3859,  
52.2206

# Harmonies

## Analogous

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



26.0484, 36.8385, 30.0052



25.5458, 36.8385, 44.7939



27.3634, 36.8385, 62.1513

# Triad

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



25.5458, 36.8385, 44.7939



42.0414, 36.8385, 68.8333



39.0336, 36.8385, 17.9767

# Complementary

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



25.5458, 36.8385, 44.7939



21.3489, 12.9274, 6.2217

# 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.



43.9720, 36.8385, 24.0152



25.5458, 36.8385, 44.7939



45.8313, 36.8385, 52.2636

# Square

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



25.5458, 36.8385, 44.7939



36.6130, 36.8385, 78.2274



46.5726, 36.8385, 35.7662



33.4620, 36.8385, 16.9629



# Rectangle

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



25.5458, 36.8385, 44.7939



29.7710, 36.8385, 71.9694



46.5726, 36.8385, 35.7662



40.8387, 36.8385, 19.3922

# Sweetspot

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



25.5469, 36.8399, 44.7948



64.1174, 75.3178, 86.8193



19.4278, 34.4660, 9.2439



13.5248, 16.1086, 18.6780



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



25.5469, 36.8399, 44.7948



43.3637, 64.7861, 78.2922



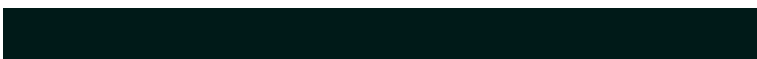
17.7018, 19.7190, 46.5907



8.7159, 9.6209, 10.7637



16.2789, 24.7375, 29.5353



0.5200, 0.7814, 0.9701



# Inverse Universe

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



21.3489, 12.9274, 6.2217



35.4186, 19.1954, 5.0418



25.0570, 20.7210, 6.2942



8.5202, 8.5148, 8.9717



13.1969, 6.7963, 0.9308

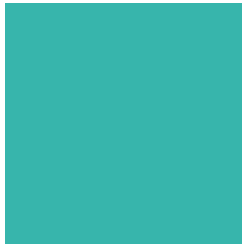


0.4233, 0.2171, 0.0719



# Previews

## White Background



This preview shows how the XYZ color 25.5458, 36.8385, 44.7939 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 25.5458, 36.8385, 44.7939 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

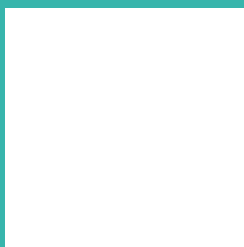
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.5458, 36.8385, 44.7939**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.5458, 36.8385, 44.7939.



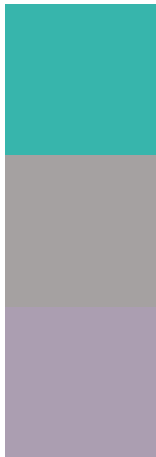
This preview shows how white text looks on a background with the XYZ color 25.5458, 36.8385,



# 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

25.5458, 36.8385, 44.7939

### Protanopia

34.6949, 36.0623, 38.8503

### Deuteranopia

36.9573, 36.2860, 46.6510



## Tritanopia

27.6816, 36.8048, 55.5142

# Trichromacy



## Original Color

25.5458, 36.8385, 44.7939



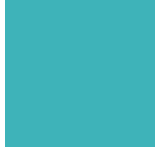
## Protanomaly

29.2516, 35.0819, 40.8271



## Deuteranomaly

30.4273, 35.0347, 45.7161



## Tritanomaly

26.8637, 36.7671, 51.5798

# Monochromacy



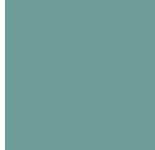
## Original Color

25.5458, 36.8385, 44.7939



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

24.0686, 29.3918, 34.5416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5458, 36.8385, 44.7939 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(55, 181, 172)` looks like.

```
.text, #text, p{  
    color:rgb(55, 181, 172)  
}
```

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(55, 181, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 181, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5458, 36.8385, 44.7939 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(55, 181, 172) }
```



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

```
.border{ border-color:rgb(55, 181, 172) }
```

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

Here you see how a box with a 4 pixel rgb(55, 181, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 181, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 181, 172);  
box-shadow:4px 4px 4px 4px rgb(55, 181,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.5458, 36.8385, 44.7939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 181, 172) }
```

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

```
.background{ background-color: rgb(55, 181,  
172) }
```

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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