

# Converting Colors

XYZ(25.5482, 36.3176, 53.2411)

Have a look what the booklet for  
XYZ(25.5482, 36.3176, 53.2411)  
contains.

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# Color

**XYZ(25.5643, 36.3589,  
53.2475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0DB4BC
RGB	13, 180, 188
RGB Percent	5%, 71%, 74%
CMY	0.9489, 0.2941, 0.2627
CMYK	0.93, 0.04, 0.00, 0.26
HSL	183°, 87%, 39%
HSV	183°, 93%, 74%
XYZ	25.5643, 36.3589, 53.2475
YIQ	130.9790, -102.1000, -32.9160

# Conversions

## Conversions Part 2

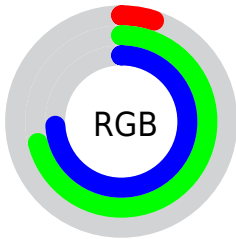
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 98, 188
Decimal	898236
CIELab	66.79, -34.12, -14.82
CIELCh	67, 37.197, 203.486
Yxy	36.3589, 0.2220, 0.3157
Android (android.graphics.Color)	4279088316 (0xFF0DB4BC)
YUV	130.9790, 28.1114, -103.4676
Hunter-Lab	60.2983, -29.8446, -10.1482

# Details

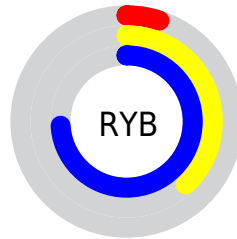
The XYZ color **25.5643, 36.3589, 53.2475** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **21.0809, 11.2581, 1.4437**, and the grayscale version is **21.4985, 22.6181, 24.6311**.

A 20% lighter version of the original color is **51.9181, 69.4061, 96.2483**, and **11.9625, 16.9280, 25.5586** is the 20% darker color. If you saturate the color by 10%, you get **25.2790, 36.0344, 53.2006**, and if you desaturate by 10%, it is **26.1635, 36.9269, 53.3262**.

# Distribution



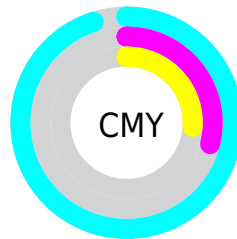
- Red (5%)
- Green (71%)
- Blue (74%)



- Red (5%)
- Yellow (38%)
- Blue (74%)



- Cyan (93%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)




- Cyan (95%)
- Magenta (29%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5643, 36.3589, 53.2475 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 25.5643, 36.3589, 53.2475 by changing the saturation by 10% instead.





 25.5643, 36.3589,  
53.2475


 25.5643, 36.3589,  
53.2475


272.9327,  
330.5265, 416.3272


 16.6289, 24.7115,  
37.6113

 52.0075, 69.5857,  
96.4137


 10.0640, 15.8623,  
25.3817


 70.2461, 91.9338,  
124.7808


 5.5040, 9.4267,  
16.1400


 92.3165, 118.6177,  
158.2286

 2.5836, 5.0206,  
9.4679

 118.5841,  
150.0217, 197.1756

 0.9376, 2.2593,  
4.9466

 149.4141,  
186.5301, 242.0405

 0.0000, 0.7521,  
2.1578

185.1720,

 0.0000, 0.0000,

228.5275, 293.2416

0.6499

226.2231,  
276.3982, 351.1977

■ 0.0000, 0.0000,  
0.0000

■ 25.5643, 36.3589,  
53.2475

■ 25.5643, 36.3589,  
53.2475

■ 25.2790, 36.0344,  
53.2006

■ 26.1635, 36.9269,  
53.3262

■ 27.0949, 37.6670,  
53.4200

■ 28.4093, 38.6062,  
53.5320

■ 30.1481, 39.7658,  
53.6642

■ 32.3472, 41.1642,  
53.8182

■ 35.0388, 42.8182,  
53.9956

■ 38.2522, 44.7428,  
54.1977

■ 42.0144, 46.9519,  
54.4258

■ 46.3505, 49.4585,  
54.6811

# Harmonies

## Analogous

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



24.8951, 36.3589, 36.1805



25.5643, 36.3589, 53.2475



28.5187, 36.3589, 70.0351

# Triad

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



25.5643, 36.3589, 53.2475



43.9910, 36.3589, 61.0063



35.7985, 36.3589, 16.1139

# Complementary

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



25.5643, 36.3589, 53.2475



21.0809, 11.2581, 1.4437

# 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.



41.3950, 36.3589, 19.5608



25.5643, 36.3589, 53.2475



46.4448, 36.3589, 43.2044

# Square

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



25.5643, 36.3589, 53.2475



39.0460, 36.3589, 75.2972



45.4467, 36.3589, 28.4915



30.4279, 36.3589, 17.4475



# Rectangle

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



25.5643, 36.3589, 53.2475



31.5765, 36.3589, 77.2906



45.4467, 36.3589, 28.4915



37.7216, 36.3589, 16.7126

# Sweetspot

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



25.5654, 36.3602, 53.2484



66.0663, 79.1463, 98.0209



18.2663, 36.0993, 6.6151



13.6890, 16.7078, 21.0460



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.



25.5654, 36.3602, 53.2484



45.7626, 65.2037, 96.3998



13.3074, 11.8442, 49.1624



9.7702, 10.7327, 12.2289



17.2263, 24.5643, 36.2264



0.6864, 0.9855, 1.4229



# Inverse Universe

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



29.1221, 14.2755, 44.4019



52.3816, 25.2946, 79.6694



26.0022, 21.1006, 3.0842



9.9106, 9.6885, 11.9183



19.6958, 9.5095, 30.0214



0.7774, 0.3748, 1.2069



# Previews

## White Background



This preview shows how the XYZ color 25.5643, 36.3589, 53.2475 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 25.5643, 36.3589, 53.2475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

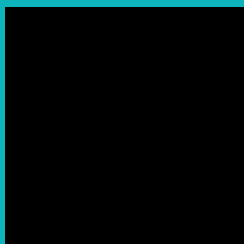
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

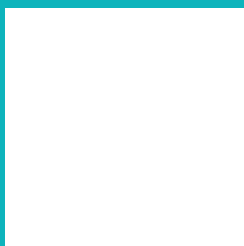
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.5643, 36.3589, 53.2475**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.5643, 36.3589, 53.2475.



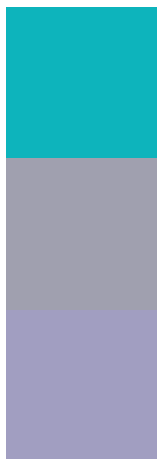
This preview shows how white text looks on a background with the XYZ color 25.5643, 36.3589,



# 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

25.5643, 36.3589, 53.2475

### Protanopia

34.8059, 35.7103, 45.6158

### Deuteranopia

36.5504, 35.8810, 55.4514



## Tritanopia

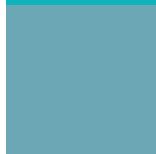
26.2837, 36.3549, 56.6708

# Trichromacy



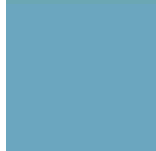
## Original Color

25.5643, 36.3589, 53.2475



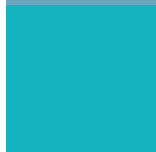
## Protanomaly

28.1203, 34.0585, 48.2719



## Deuteranomaly

29.1036, 34.1598, 54.3498



## Tritanomaly

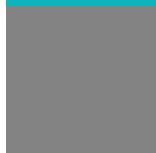
25.9438, 36.2054, 55.4901

# Monochromacy



## Original Color

25.5643, 36.3589, 53.2475



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

20.4394, 25.8366, 33.6155

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5643, 36.3589, 53.2475 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(13, 180, 188)` looks like.

```
.text, #text, p{  
    color:rgb(13, 180, 188)  
}
```

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(13, 180, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 180, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5643, 36.3589, 53.2475 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(13, 180, 188) }
```



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

```
.border{ border-color:rgb(13, 180, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 180, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 180, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 180, 188);  
box-shadow:4px 4px 4px 4px rgb(13, 180,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.5643, 36.3589, 53.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 180, 188) }
```

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

```
.background{ background-color: rgb(13, 180,  
188) }
```

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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