

# Converting Colors

XYZ(33.2918, 44.0853, 52.4929)

Have a look what the booklet for  
XYZ(33.2918, 44.0853, 52.4929)  
contains.

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# Color

**XYZ(33.3155, 44.1451,  
52.6639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68C0B9
RGB	104, 192, 185
RGB Percent	41%, 75%, 73%
CMY	0.5921, 0.2470, 0.2745
CMYK	0.46, 0.00, 0.04, 0.25
HSL	175°, 41%, 58%
HSV	175°, 46%, 75%
XYZ	33.3155, 44.1451, 52.6639
YIQ	164.8900, -50.2010, -20.8330

# Conversions

## Conversions Part 2

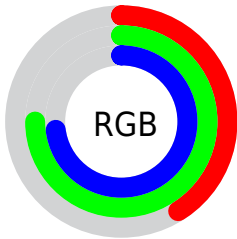
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 150, 192
Decimal	6865081
CIELab	72.33, -28.17, -4.71
CIElCh	72, 28.565, 189.487
Yxy	44.1451, 0.2560, 0.3393
Android (android.graphics.Color)	4285055161 (0xFF68C0B9)
YUV	164.8900, 9.9142, -53.4005
Hunter-Lab	66.4418, -26.7689, -0.4859

# Details

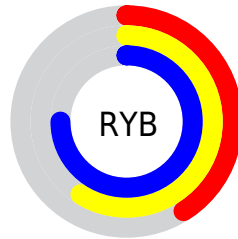
The XYZ color **33.3155, 44.1451, 52.6639** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.5593, 22.2560, 17.7784**, and the grayscale version is **35.6838, 37.5421, 40.8834**.

A 20% lighter version of the original color is **64.2501, 81.5758, 95.5785**, and **14.3355, 20.4008, 25.0120** is the 20% darker color. If you saturate the color by 10%, you get **31.1755, 43.0615, 51.7273**, and if you desaturate by 10%, it is **35.9672, 45.4944, 53.6355**.

# Distribution



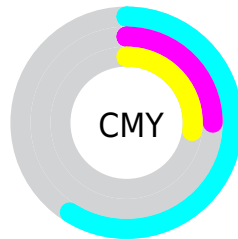
- Red (41%)
- Green (75%)
- Blue (73%)



- Red (41%)
- Yellow (59%)
- Blue (75%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)




- Cyan (59%)
- Magenta (25%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3155, 44.1451, 52.6639 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 33.3155, 44.1451, 52.6639 by changing the saturation by 10% instead.





 33.3155, 44.1451,  
52.6639


 33.3155, 44.1451,  
52.6639


308.7089,  
363.3001, 414.0240


 22.5286, 30.7846,  
37.1486


 64.2192, 81.4360,  
95.5461


 14.3646, 20.4349,  
25.0259


 85.0667, 106.1353,  
123.7502

 8.4581, 12.7116,  
15.8772


 109.9985,  
135.3829, 157.0210

 4.4437, 7.2302,  
9.2839

 139.3799,  
169.5632, 195.7770

 1.9561, 3.6065,  
4.8275

173.5763,  
209.0607, 240.4367

 0.6091, 1.4560,  
2.0894

212.9530,

 0.0000, 0.2574,

254.2597, 291.4188

0.6095

257.8755,  
305.5447, 349.1417

■ 0.0000, 0.0000,  
0.0000

■ 33.3155, 44.1451,  
52.6639

■ 33.3155, 44.1451,  
52.6639

■ 31.1755, 43.0615,  
51.7273

■ 35.9672, 45.4944,  
53.6355

■ 29.5084, 42.2204,  
50.8208

■ 39.1584, 47.1206,  
54.6404

■ 28.2762, 41.6033,  
49.9437


■ 42.9193, 49.0403,  
55.6811


■ 27.4333, 41.1867,  
49.0938


■ 47.2770, 51.2674,  
56.7589


■ 26.9226, 40.9412,  
48.2683


■ 52.2567, 53.8150,  
57.8749

 26.7589, 40.8641,  
47.9292

 57.8821, 56.6953,  
59.0303

 64.1758, 59.9199,  
60.2262

 70.1940, 63.0022,  
61.4185

 70.3703, 63.0727,  
62.3466

# Harmonies

## Analogous

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



33.7199, 44.1451, 39.1973



33.3155, 44.1451, 52.6639



35.0834, 44.1451, 67.4000

# Triad

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



33.3155, 44.1451, 52.6639



48.2555, 44.1451, 72.1099



45.3560, 44.1451, 26.9230

# Complementary

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



33.3155, 44.1451, 52.6639



29.5593, 22.2560, 17.7784

# 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.



49.6780, 44.1451, 32.8363



33.3155, 44.1451, 52.6639



51.4406, 44.1451, 58.1818

# Square

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



33.3155, 44.1451, 52.6639



43.5346, 44.1451, 79.9857



51.9805, 44.1451, 43.7448



40.4211, 44.1451, 26.0192



# Rectangle

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



33.3155, 44.1451, 52.6639



37.3436, 44.1451, 75.3379



51.9805, 44.1451, 43.7448



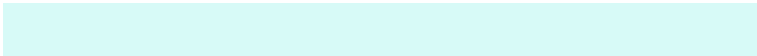
46.9390, 44.1451, 28.3266

# Sweetspot

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



33.3168, 44.1468, 52.6649



78.9601, 89.4657, 101.1968



27.9472, 42.1017, 19.7511



16.5939, 19.0168, 21.6203



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.



33.3168, 44.1468, 52.6649



56.4693, 78.0136, 93.7153



27.0016, 30.3041, 54.2972



10.3328, 11.4142, 12.7561



18.0186, 27.5015, 32.3207



0.7890, 1.1924, 1.4515



# Inverse Universe

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



29.5593, 22.2560, 17.7784



48.8327, 33.4344, 22.7472



33.7142, 31.1590, 17.3350



10.1050, 10.0906, 10.6435



14.6988, 7.5693, 1.0598

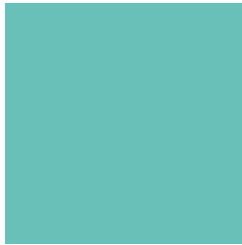


0.6465, 0.3316, 0.1057



# Previews

## White Background



This preview shows how the XYZ color 33.3155, 44.1451, 52.6639 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 33.3155, 44.1451, 52.6639 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

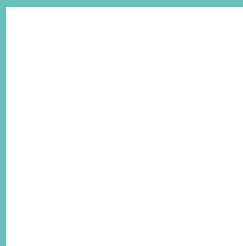
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.3155, 44.1451, 52.6639**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.3155, 44.1451, 52.6639.



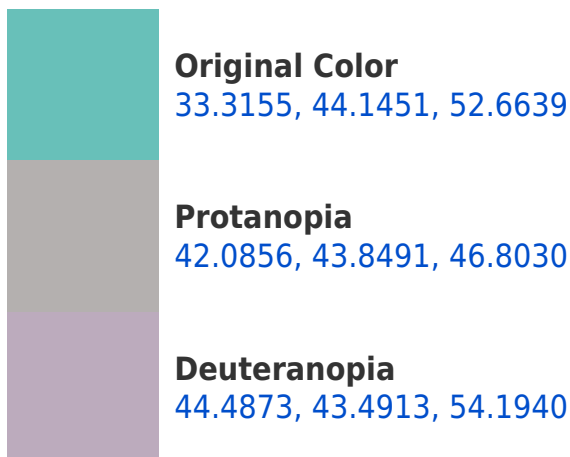
This preview shows how white text looks on a background with the XYZ color 33.3155, 44.1451,



# 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





## Tritanopia

35.5271, 44.0698, 63.7606

# Trichromacy



## Original Color

33.3155, 44.1451, 52.6639

## Protanomaly

37.8135, 43.3860, 49.0292

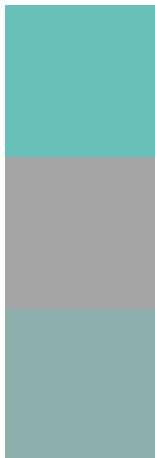
## Deuteranomaly

39.1018, 43.0391, 53.8235

## Tritanomaly

34.6758, 44.0463, 59.4975

# Monochromacy



## Original Color

33.3155, 44.1451, 52.6639

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

34.1041, 39.4781, 44.8523

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.3155, 44.1451, 52.6639 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(104, 192, 185)` looks like.

```
.text, #text, p{  
    color:rgb(104, 192, 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(104, 192, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 192, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 33.3155, 44.1451, 52.6639 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(104, 192, 185) }
```



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

```
.border{ border-color:rgb(104, 192, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 192, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 192, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 192, 185);  
box-shadow:4px 4px 4px 4px rgb(104, 192,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.3155, 44.1451, 52.6639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 192, 185) }
```

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

```
.background{ background-color: rgb(104,  
192, 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](#).

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