

# Converting Colors

XYZ(45.1293, 53.2040, 63.4286)

Have a look what the booklet for  
XYZ(45.1293, 53.2040, 63.4286)  
contains.

<b>XYZ(44.9468, 52.9589, 63.1115)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.9468, 52.9589,  
63.1115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BC9C9
RGB	155, 201, 201
RGB Percent	61%, 79%, 79%
CMY	0.3921, 0.2117, 0.2118
CMYK	0.23, 0.00, 0.00, 0.21
HSL	180°, 30%, 70%
HSV	180°, 23%, 79%
XYZ	44.9468, 52.9589, 63.1115
YIQ	187.2460, -27.4160, -9.7520

# Conversions

## Conversions Part 2

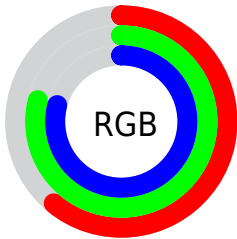
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 178, 201
Decimal	10209737
CIELab	77.85, -14.98, -4.94
CIELCh	78, 15.779, 198.258
Yxy	52.9589, 0.2791, 0.3289
Android (android.graphics.Color)	4288399817 (0xFF9BC9C9)
YUV	187.2460, 6.7807, -28.2797
Hunter-Lab	72.7729, -17.1053, -0.4776

# Details

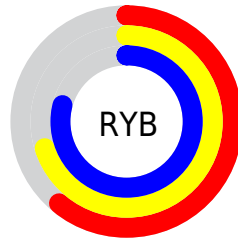
The XYZ color **44.9468, 52.9589, 63.1115** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7270, 38.2282, 36.1919**, and the grayscale version is **47.3481, 49.8139, 54.2474**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **21.1797, 25.7988, 31.4671** is the 20% darker color. If you saturate the color by 10%, you get **41.4061, 51.1350, 62.9462**, and if you desaturate by 10%, it is **49.1327, 55.1182, 63.3092**.

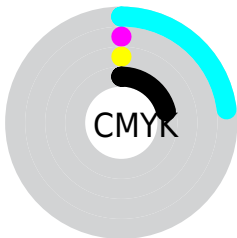
# Distribution



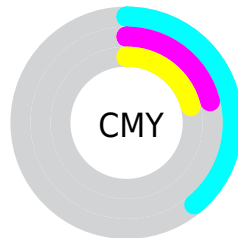
- Red (61%)
- Green (79%)
- Blue (79%)



- Red (61%)
- Yellow (70%)
- Blue (79%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (39%)
- Magenta (21%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9468, 52.9589, 63.1115 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 44.9468, 52.9589, 63.1115 by changing the saturation by 10% instead.



■ 44.9468, 52.9589,  
63.1115

■ 44.9468, 52.9589,  
63.1115

357.3454,  
398.1274, 454.0931

■ 31.6166, 37.7700,  
45.4898

■ 81.8781, 94.5439,  
110.9175

■ 21.2230, 25.8042,  
31.4977

■ 106.2100,  
121.7087, 141.9389

■ 13.4005, 16.6772,  
20.7165

134.9398,  
153.6343, 178.2640

■ 7.7838, 10.0046,  
12.7277

168.4329,  
190.7051, 220.3112

■ 4.0075, 5.4020,  
7.1128

207.0547,  
233.3053, 268.4992

■ 1.7064, 2.4850,  
3.4532

251.1704,

■ 0.4603, 0.8691,

281.8196, 323.2465

1.3305

301.1455,  
336.6321, 384.9716

■ 0.0000, 0.0000,  
0.0866

■ 0.0000, 0.0000,  
0.0000

■ 44.9468, 52.9589,  
63.1115

■ 44.9468, 52.9589,  
63.1115

■ 41.4061, 51.1350,  
62.9462

■ 49.1327, 55.1182,  
63.3092

■ 38.4742, 49.6236,  
62.8083

■ 53.9888, 57.6215,  
63.5372

■ 36.1183, 48.4090,  
62.6974

■ 59.5443, 60.4855,  
63.7979

■ 34.3003, 47.4719,  
62.6116

■ 65.8253, 63.7235,  
64.0925

■ 32.9780, 46.7902,  
62.5490

■ 72.6710, 67.2526,  
64.4136

■ 32.1025, 46.3389,  
62.5073

■ 72.6712, 67.2526,  
64.4143

■ 31.6152, 46.0877,  
62.4838

■ 72.6713, 67.2527,  
64.4150

■ 31.4293, 45.9919,  
62.4746

■ 72.6714, 67.2527,  
64.4157

■ 72.6716, 67.2528,  
64.4164

# Harmonies

## Analogous

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



44.7863, 52.9589, 54.2980



44.9468, 52.9589, 63.1115



46.5152, 52.9589, 71.1883

# Triad

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



44.9468, 52.9589, 63.1115



54.8600, 52.9589, 69.6393



51.5441, 52.9589, 42.6737

# Complementary

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



44.9468, 52.9589, 63.1115



41.7270, 38.2282, 36.1919

# 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.



54.3601, 52.9589, 45.9699



44.9468, 52.9589, 63.1115



56.3259, 52.9589, 61.1647

# Square

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



44.9468, 52.9589, 63.1115



52.2039, 52.9589, 75.2125



56.1393, 52.9589, 52.5379



48.5129, 52.9589, 43.0811



# Rectangle

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



44.9468, 52.9589, 63.1115



48.1853, 52.9589, 74.7946



56.1393, 52.9589, 52.5379



52.5494, 52.9589, 43.3705

# Sweetspot

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



44.9483, 52.9611, 63.1127



88.7850, 96.7703, 108.6060



40.4698, 51.1867, 38.7583



18.8940, 20.6563, 23.2410



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

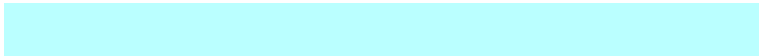


# Same Dimension

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



44.9483, 52.9611, 63.1127



74.0955, 89.1976, 107.9161



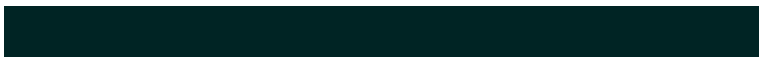
40.1351, 43.3340, 61.5098



10.9467, 12.0676, 13.6697



19.7607, 28.9167, 39.2800



0.9357, 1.3692, 1.8600



# Inverse Universe

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



41.7270, 38.2282, 36.1919



67.7098, 59.9928, 54.5513



45.7739, 46.3224, 37.5398



10.6339, 10.6370, 11.0556



15.1453, 7.8077, 0.7091

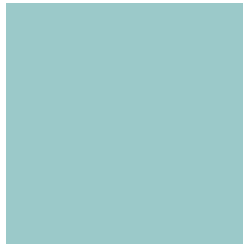


0.7171, 0.3697, 0.0336



# Previews

## White Background



This preview shows how the XYZ color 44.9468, 52.9589, 63.1115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

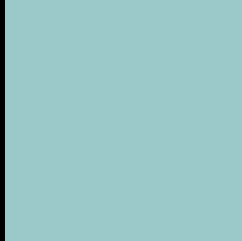
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9468, 52.9589, 63.1115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

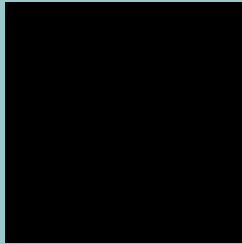
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

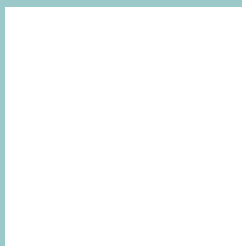
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.9468, 52.9589, 63.1115**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9468, 52.9589, 63.1115.



This preview shows how white text looks on a background with the XYZ color 44.9468, 52.9589,



# 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

44.9468, 52.9589, 63.1115

### Protanopia

50.7293, 52.6711, 59.1226

### Deuteranopia

53.6348, 52.4566, 64.4250



## Tritanopia

46.7897, 53.0222, 72.0582

# Trichromacy



## Original Color

44.9468, 52.9589, 63.1115

## Protanomaly

48.4155, 52.7647, 60.4562

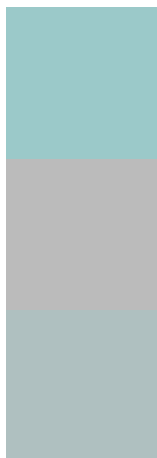
## Deuteranomaly

49.9038, 52.1382, 63.9334

## Tritanomaly

46.1918, 53.1298, 68.7933

# Monochromacy



## Original Color

44.9468, 52.9589, 63.1115

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

46.0433, 50.6190, 57.2129

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9468, 52.9589, 63.1115 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(155, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(155, 201, 201)  
}
```

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(155, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 201, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9468, 52.9589, 63.1115 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(155, 201, 201) }
```



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

```
.border{ border-color:rgb(155, 201, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 201, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 201, 201);  
box-shadow:4px 4px 4px 4px rgb(155, 201,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9468, 52.9589, 63.1115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 201, 201) }
```

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

```
.background{ background-color: rgb(155,  
201, 201) }
```

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