

# Converting Colors

XYZ(52.5179, 63.8040, 78.5503)

Have a look what the booklet for  
XYZ(52.5179, 63.8040, 78.5503)  
contains.

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# Color

**XYZ(52.5588, 63.9554,  
78.6817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BDDDE
RGB	155, 221, 222
RGB Percent	61%, 87%, 87%
CMY	0.3921, 0.1333, 0.1294
CMYK	0.30, 0.00, 0.00, 0.13
HSL	181°, 50%, 74%
HSV	181°, 30%, 87%
XYZ	52.5588, 63.9554, 78.6817
YIQ	201.3800, -39.6570, -13.6810

# Conversions

## Conversions Part 2

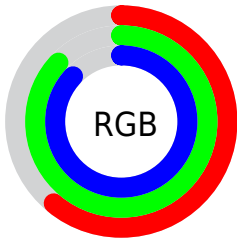
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 188, 222
Decimal	10214878
CIELab	83.94, -20.39, -7.16
CIELCh	84, 21.609, 199.348
Yxy	63.9554, 0.2693, 0.3276
Android (android.graphics.Color)	4288404958 (0xFF9BDDDE)
YUV	201.3800, 10.1657, -40.6753
Hunter-Lab	79.9721, -22.6385, -2.3528

# Details

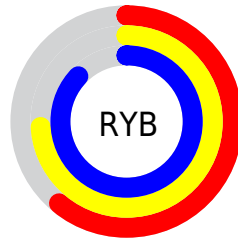
The XYZ color **52.5588, 63.9554, 78.6817** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.9298, 41.6734, 36.5292**, and the grayscale version is **55.7111, 58.6124, 63.8289**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **25.9781, 32.8292, 41.5267** is the 20% darker color. If you saturate the color by 10%, you get **48.5971, 61.7853, 78.4727**, and if you desaturate by 10%, it is **57.3076, 66.5348, 78.9303**.

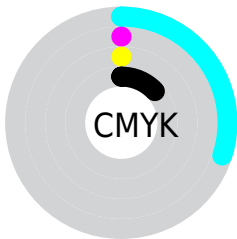
# Distribution



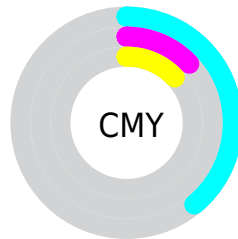
- Red (61%)
- Green (87%)
- Blue (87%)



- Red (61%)
- Yellow (74%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)




- Cyan (39%)
- Magenta (13%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5588, 63.9554, 78.6817 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 52.5588, 63.9554, 78.6817 by changing the saturation by 10% instead.





 52.5588, 63.9554,  
78.6817


 52.5588, 63.9554,  
78.6817


386.8787,  
439.0286, 510.0680

 37.6767, 46.6146,  
58.1144


 93.1242, 110.5467,  
133.3053

 25.9080, 32.7310,  
41.4853


 119.5382,  
140.5659, 168.1986

 16.8871, 21.9205,  
28.3759


150.5270,  
175.5801, 208.7043

 10.2488, 13.7985,  
18.3677

186.4558,  
215.9736, 255.2410

 5.6278, 7.9806,  
11.0422

227.6900,  
262.1308, 308.2272

 2.6586, 4.0826,  
5.9807

274.5950,

 0.9759, 1.7199,

314.4361, 368.0814

2.7647

327.5361,  
373.2739, 435.2221

■ 0.0000, 0.4365,  
0.9758

■ 0.0000, 0.0000,  
0.0000

■ 52.5588, 63.9554,  
78.6817

■ 52.5588, 63.9554,  
78.6817

■ 48.5971, 61.7853,  
78.4727

■ 57.3076, 66.5348,  
78.9303

■ 45.3740, 59.9946,  
78.2969

■ 62.8777, 69.5362,  
79.2161

■ 42.8443, 58.5615,  
78.1537

■ 69.3079, 72.9812,  
79.5422

■ 40.9553, 57.4591,  
78.0404

■ 76.6330, 76.8879,  
79.9101

■ 39.6472, 56.6564,  
77.9544

■ 80.7210, 79.1260,  
80.1267

■ 38.8487, 56.1166,  
77.8923

■ 80.8092, 79.3024,  
80.1561

■ 38.4375, 55.7790,  
77.8489

■ 80.8976, 79.4791,  
80.1855

■ 80.9861, 79.6562,  
80.2150

■ 81.0748, 79.8337,  
80.2446

# Harmonies

## Analogous

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



52.2337, 63.9554, 64.9055



52.5588, 63.9554, 78.6817



55.0210, 63.9554, 91.4634

# Triad

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



52.5588, 63.9554, 78.6817



67.9952, 63.9554, 88.1358



62.4943, 63.9554, 46.9328

# Complementary

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



52.5588, 63.9554, 78.6817



47.9298, 41.6734, 36.5292

# 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.



66.9438, 63.9554, 51.5917



52.5588, 63.9554, 78.6817



70.2281, 63.9554, 74.5921

# Square

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



52.5588, 63.9554, 78.6817



63.8690, 63.9554, 97.3949



69.8336, 63.9554, 61.3126



57.8071, 63.9554, 47.7276

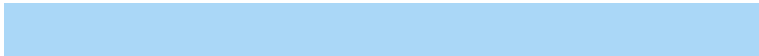


# Rectangle

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



52.5588, 63.9554, 78.6817



57.6182, 63.9554, 97.1402



69.8336, 63.9554, 61.3126



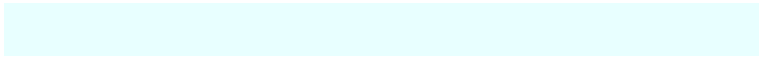
64.0713, 63.9554, 47.8862

# Sweetspot

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



52.5607, 63.9580, 78.6832



86.9961, 95.6864, 108.4919



45.5564, 61.5788, 40.4964



18.3618, 20.3418, 23.2085



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.



52.5607, 63.9580, 78.6832



68.5209, 85.6789, 107.5340



44.7938, 48.4242, 76.0942



14.0982, 15.5355, 17.6433



22.8386, 33.1468, 46.2426



1.5887, 2.3089, 3.2072



# Inverse Universe

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



54.8982, 44.1941, 74.0464



72.2035, 54.6578, 100.2030



54.1320, 54.0778, 38.5966



14.2858, 13.9319, 17.2751



25.4681, 12.2542, 40.7262

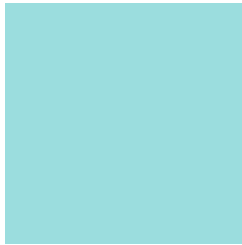


1.7682, 0.8505, 2.8380



# Previews

## White Background



This preview shows how the XYZ color 52.5588, 63.9554, 78.6817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

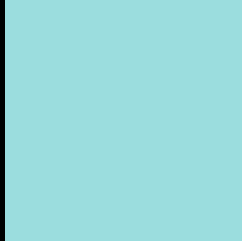
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5588, 63.9554, 78.6817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

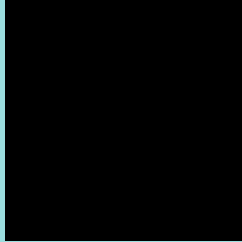
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.5588, 63.9554, 78.6817

## Background



This preview shows how black text looks on a background with the XYZ color 52.5588, 63.9554, 78.6817.



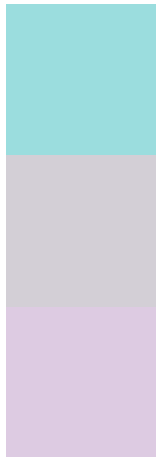
This preview shows how white text looks on a background with the XYZ color 52.5588, 63.9554,



# 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

52.5588, 63.9554, 78.6817

### Protanopia

61.3144, 63.3296, 72.6105

### Deuteranopia

64.9022, 63.5750, 80.8020



## Tritanopia

54.5724, 63.9883, 88.8316

# Trichromacy



## Original Color

52.5588, 63.9554, 78.6817

## Protanomaly

57.5537, 63.1731, 74.8059

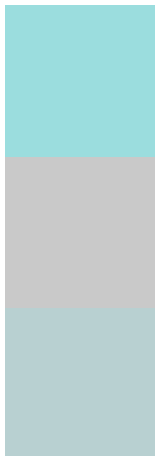
## Deuteranomaly

59.6632, 63.3997, 80.3270

## Tritanomaly

53.9216, 64.1240, 85.1365

# Monochromacy



## Original Color

52.5588, 63.9554, 78.6817

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

53.8317, 59.9055, 69.0473

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5588, 63.9554, 78.6817 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, 221, 222)` looks like.

```
.text, #text, p{  
    color:rgb(155, 221, 222)  
}
```

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, 221, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 221, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5588, 63.9554, 78.6817 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, 221, 222) }
```



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

```
.border{ border-color:rgb(155, 221, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 221, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 221, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 221, 222);  
box-shadow:4px 4px 4px 4px rgb(155, 221,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5588, 63.9554, 78.6817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 221, 222) }
```

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

```
.background{ background-color: rgb(155,  
221, 222) }
```

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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