

# Converting Colors

XYZ(35.4377, 44.5543, 55.5018)

Have a look what the booklet for  
XYZ(35.4377, 44.5543, 55.5018)  
contains.

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# Color

**XYZ(35.4534, 44.5377,  
55.4432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78BEBE
RGB	120, 190, 190
RGB Percent	47%, 75%, 75%
CMY	0.5294, 0.2549, 0.2549
CMYK	0.37, 0.00, 0.00, 0.25
HSL	180°, 35%, 61%
HSV	180°, 37%, 75%
XYZ	35.4534, 44.5377, 55.4432
YIQ	169.0700, -41.7200, -14.8400

# Conversions

## Conversions Part 2

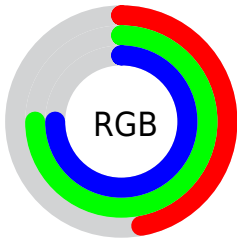
Format	Color
<a href="#">RYB</a>	<a href="#">120, 155, 190</a>
Decimal	<a href="#">7913150</a>
CIELab	<a href="#">72.59, -21.91, -6.97</a>
CIELCh	<a href="#">73, 22.997, 197.649</a>
Yxy	<a href="#">44.5377, 0.2618, 0.3289</a>
Android (android.graphics.Color)	<a href="#">4286103230 (0xFF78BEBE)</a>
YUV	<a href="#">169.0700, 10.3185, -43.0344</a>
Hunter-Lab	<a href="#">66.7366, -21.9620, -2.5412</a>

# Details

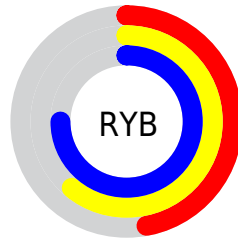
The XYZ color **35.4534, 44.5377, 55.4432** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.3433, 25.7374, 21.0867**, and the grayscale version is **37.7131, 39.6771, 43.2084**.

A 20% lighter version of the original color is **67.2695, 81.6793, 99.4090**, and **15.5663, 20.5727, 26.8174** is the 20% darker color. If you saturate the color by 10%, you get **33.0756, 43.3130, 55.3325**, and if you desaturate by 10%, it is **38.3566, 46.0355, 55.5804**.

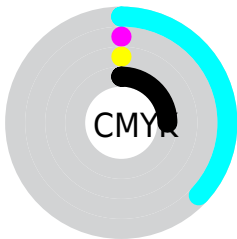
# Distribution



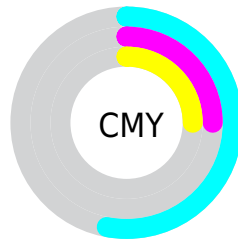
- Red (47%)
- Green (75%)
- Blue (75%)



- Red (47%)
- Yellow (61%)
- Blue (75%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)




- Cyan (53%)
- Magenta (25%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4534, 44.5377, 55.4432 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 35.4534, 44.5377, 55.4432 by changing the saturation by 10% instead.





 35.4534, 44.5377,  
55.4432


 35.4534, 44.5377,  
55.4432


318.0382,  
364.8980, 424.9190


 24.1805, 31.0934,  
39.3557


 67.5170, 82.0262,  
99.6677

 15.5930, 20.6700,  
26.7266


 89.0383, 106.8393,  
128.6417

 9.3256, 12.8830,  
17.1374


 114.7066,  
136.2108, 162.7483

 5.0130, 7.3480,  
10.1695

144.8870,  
170.5251, 202.4060

 2.2897, 3.6807,  
5.4044

179.9451,  
210.1665, 248.0334

 0.7894, 1.4966,  
2.4236

220.2460,

 0.0000, 0.2863,

255.5196, 300.0490

0.7992

266.1553,  
306.9686, 358.8713

■ 0.0000, 0.0000,  
0.0000

■ 35.4534, 44.5377,  
55.4432

■ 35.4534, 44.5377,  
55.4432

■ 33.0756, 43.3130,  
55.3325

■ 38.3566, 46.0355,  
55.5804

■ 31.1883, 42.3401,  
55.2439

■ 41.8100, 47.8157,  
55.7424

■ 29.7584, 41.6029,  
55.1766

■ 45.8411, 49.8938,  
55.9314

■ 28.7471, 41.0816,  
55.1289

■ 50.4749, 52.2826,  
56.1486

■ 28.1092, 40.7528,  
55.0987

■ 55.7346, 54.9941,  
56.3951

■ 27.7833, 40.5848,  
55.0831

■ 61.6423, 58.0396,  
56.6719

■ 27.7082, 40.5460,  
55.0795

■ 68.2190, 61.4300,  
56.9801

■ 68.9492, 61.8064,  
57.0146

■ 68.9492, 61.8064,  
57.0149

# Harmonies

## Analogous

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



35.2911, 44.5377, 43.9578



35.4534, 44.5377, 55.4432



37.3853, 44.5377, 66.5510

# Triad

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



35.4534, 44.5377, 55.4432



48.2397, 44.5377, 64.7983



43.9889, 44.5377, 30.0888

# Complementary

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



35.4534, 44.5377, 55.4432



31.3433, 25.7374, 21.0867

# 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.



47.6963, 44.5377, 34.0399



35.4534, 44.5377, 55.4432



50.2516, 44.5377, 53.3320

# Square

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



35.4534, 44.5377, 55.4432



44.6933, 44.5377, 72.5065



50.0467, 44.5377, 42.1511



40.0548, 44.5377, 30.4716



# Rectangle

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



35.4534, 44.5377, 55.4432



39.4892, 44.5377, 71.7058



50.0467, 44.5377, 42.1511



45.3075, 44.5377, 30.9248

# Sweetspot

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



35.4547, 44.5395, 55.4442



79.7684, 88.7105, 101.1970



29.7135, 42.2618, 24.3614



17.2964, 19.3666, 22.2116



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.



35.4547, 44.5395, 55.4442



60.7767, 78.9200, 100.3061



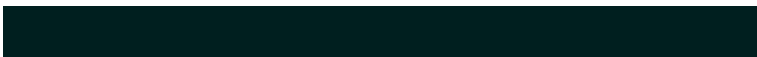
28.9577, 31.5451, 53.2798



9.8086, 10.8096, 12.2416



18.4236, 26.9597, 36.6233



0.7217, 1.0560, 1.4346



# Inverse Universe

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



31.3433, 25.7374, 21.0867



52.2692, 40.0133, 29.2109



36.1550, 35.3610, 22.6899



9.5302, 9.5364, 9.9151



14.1203, 7.2793, 0.6610

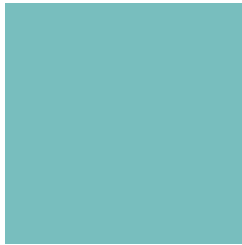


0.5531, 0.2851, 0.0259



# Previews

## White Background



This preview shows how the XYZ color 35.4534, 44.5377, 55.4432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

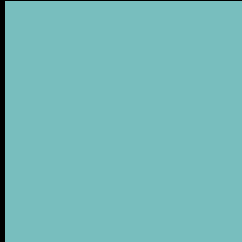
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4534, 44.5377, 55.4432 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

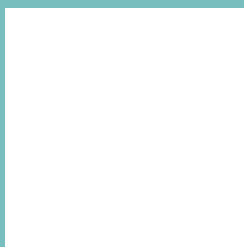
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.4534, 44.5377, 55.4432**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4534, 44.5377, 55.4432.



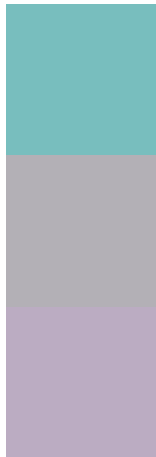
This preview shows how white text looks on a background with the XYZ color 35.4534, 44.5377,



# 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

35.4534, 44.5377, 55.4432

### Protanopia

42.5592, 44.0118, 50.5080

### Deuteranopia

44.9836, 43.9649, 57.1541



## Tritanopia

36.9311, 44.4892, 63.1407

# Trichromacy



## Original Color

35.4534, 44.5377, 55.4432

## Protanomaly

39.3814, 43.8196, 52.2814

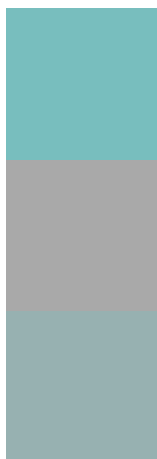
## Deuteranomaly

40.8500, 43.8770, 56.7682

## Tritanomaly

36.4167, 44.6100, 60.1173

# Monochromacy



## Original Color

35.4534, 44.5377, 55.4432

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

36.4205, 41.1979, 47.6274

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4534, 44.5377, 55.4432 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(120, 190, 190)` looks like.

```
.text, #text, p{  
    color:rgb(120, 190, 190)  
}
```

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(120, 190, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 190, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4534, 44.5377, 55.4432 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(120, 190, 190) }
```



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

```
.border{ border-color:rgb(120, 190, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 190, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 190, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 190, 190); box-shadow:4px 4px 4px 4px rgb(120, 190, 190) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4534, 44.5377, 55.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 190, 190) }
```

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

```
.background{ background-color: rgb(120,  
190, 190) }
```

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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