

# Converting Colors

XYZ(34.5176, 45.5851, 45.4504)

Have a look what the booklet for  
XYZ(34.5176, 45.5851, 45.4504)  
contains.

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# Color

**XYZ(34.5276, 45.5888,  
45.5078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79C2AB
RGB	121, 194, 171
RGB Percent	47%, 76%, 67%
CMY	0.5255, 0.2392, 0.3294
CMYK	0.38, 0.00, 0.12, 0.24
HSL	161°, 37%, 62%
HSV	161°, 38%, 76%
XYZ	34.5276, 45.5888, 45.5078
YIQ	169.5510, -36.1250, -22.6290

# Conversions

## Conversions Part 2

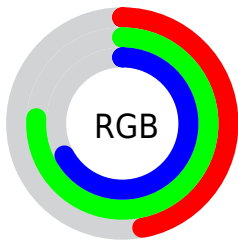
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 164, 194
Decimal	7979691
CIELab	73.28, -28.06, 4.39
CIElCh	73, 28.398, 171.099
Yxy	45.5888, 0.2748, 0.3629
Android (android.graphics.Color)	4286169771 (0xFF79C2AB)
YUV	169.5510, 0.7144, -42.5792
Hunter-Lab	67.5195, -26.8791, 7.3025

# Details

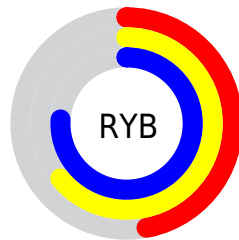
The XYZ color **34.5276, 45.5888, 45.5078** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.1211, 27.1588, 29.8310**, and the grayscale version is **37.9955, 39.9743, 43.5320**.

A 20% lighter version of the original color is **66.1291, 83.7155, 84.6248**, and **15.0918, 21.3170, 20.7719** is the 20% darker color. If you saturate the color by 10%, you get **31.5085, 44.0993, 42.3955**, and if you desaturate by 10%, it is **38.1230, 47.3746, 48.7897**.

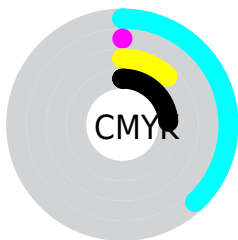
# Distribution



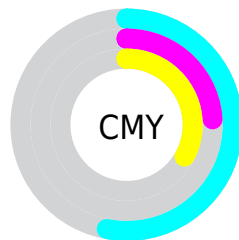
- Red (47%)
- Green (76%)
- Blue (67%)



- Red (47%)
- Yellow (64%)
- Blue (76%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (24%)




- Cyan (53%)
- Magenta (24%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5276, 45.5888, 45.5078 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 34.5276, 45.5888, 45.5078 by changing the saturation by 10% instead.





 34.5276, 45.5888,  
45.5078


 34.5276, 45.5888,  
45.5078


314.0229,  
369.1530, 385.0462


 23.4640, 31.9215,  
31.5117


 66.0922, 83.6033,  
84.8084

 15.0591, 21.3015,  
20.7271


 87.3238, 108.7192,  
110.9500

 8.9474, 13.3446,  
12.7354


 112.6756,  
138.4201, 141.9772

 4.7638, 7.6663,  
7.1180

142.5128,  
173.0903, 178.3086

 2.1426, 3.8821,  
3.4564

177.2007,  
213.1144, 220.3626

 0.7122, 1.6079,  
1.3322

217.1048,

 0.0000, 0.3629,

258.8766, 268.5579

0.0879

262.5905,  
310.7613, 323.3129

■ 0.0000, 0.0000,  
0.0000

■ 34.5276, 45.5888,  
45.5078

■ 34.5276, 45.5888,  
45.5078

■ 31.5085, 44.0993,  
42.3955

■ 38.1230, 47.3746,  
48.7897

■ 29.0284, 42.8835,  
39.4463

■ 42.3213, 49.4669,  
52.2414

■ 27.0518, 41.9242,  
36.6576

■ 47.1523, 51.8821,  
55.8670

■ 25.5370, 41.2000,  
34.0254

■ 52.6424, 54.6338,  
59.6696

■ 24.4352, 40.6858,  
31.5455

■ 58.8165, 57.7350,  
63.6520

■ 23.6759, 40.3452,  
29.2125

■ 65.6985, 61.1977,  
67.8172

■ 23.5176, 40.2752,  
28.6794

■ 72.6436, 64.6896,  
72.1366

■ 73.4382, 65.0075,  
76.3210

■ 74.2625, 65.3372,  
80.6614

# Harmonies

## Analogous

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



36.2858, 45.5888, 34.3075



34.5276, 45.5888, 45.5078



34.9831, 45.5888, 60.1997

# Triad

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



34.5276, 45.5888, 45.5078



46.8766, 45.5888, 79.9348



49.6384, 45.5888, 31.1806

# Complementary

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



34.5276, 45.5888, 45.5078



34.1211, 27.1588, 29.8310

# 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.



52.9109, 45.5888, 40.3908



34.5276, 45.5888, 45.5078



51.2332, 45.5888, 68.9670

# Square

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



34.5276, 45.5888, 45.5078



41.8634, 45.5888, 82.0287



53.5159, 45.5888, 54.0118



44.8321, 45.5888, 27.1426



# Rectangle

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



34.5276, 45.5888, 45.5078



36.4964, 45.5888, 69.9772



53.5159, 45.5888, 54.0118



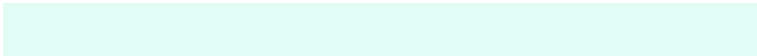
50.9692, 45.5888, 33.6802

# Sweetspot

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



34.5289, 45.5906, 45.5088



82.1873, 92.3735, 98.8475



34.2664, 45.9058, 25.1445



17.7303, 20.0949, 21.4468



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

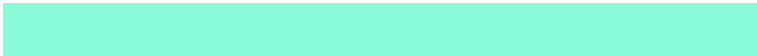


# Same Dimension

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



34.5289, 45.5906, 45.5088



58.0534, 80.3714, 77.8640



34.0702, 40.8537, 57.1310



10.2291, 11.3727, 12.2097



15.4999, 26.4940, 19.0575



0.6997, 1.1567, 0.9816



# Inverse Universe

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



34.1211, 27.1588, 29.8310



57.2214, 42.2818, 45.5190



34.2789, 30.0073, 22.0751



10.2010, 10.1290, 11.1492



15.2167, 7.7764, 3.7871



0.6893, 0.3487, 0.3310



# Previews

## White Background



This preview shows how the XYZ color 34.5276, 45.5888, 45.5078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

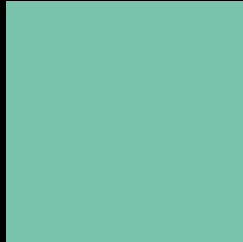
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.5276, 45.5888, 45.5078 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

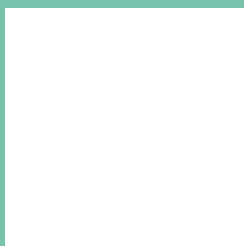
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.5276, 45.5888, 45.5078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5276, 45.5888, 45.5078.



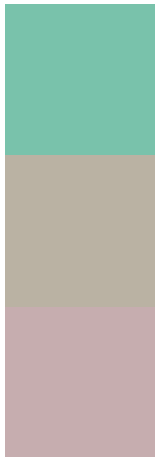
This preview shows how white text looks on a background with the XYZ color 34.5276, 45.5888,

45.5078.

# 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

34.5276, 45.5888, 45.5078

### Protanopia

42.7810, 44.9242, 41.0668

### Deuteranopia

45.9701, 44.9881, 46.8181



## Tritanopia

38.1499, 45.4220, 63.8833

# Trichromacy



## Original Color

34.5276, 45.5888, 45.5078

## Protanomaly

38.9237, 44.7155, 42.6559

## Deuteranomaly

40.7414, 44.6498, 46.5154

## Tritanomaly

36.7494, 45.5030, 56.7152

# Monochromacy



## Original Color

34.5276, 45.5888, 45.5078

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

36.3247, 41.8179, 44.1874

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5276, 45.5888, 45.5078 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(121, 194, 171)` looks like.

```
.text, #text, p{  
    color:rgb(121, 194, 171)  
}
```

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(121, 194, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 194, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5276, 45.5888, 45.5078 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(121, 194, 171) }
```



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

```
.border{ border-color:rgb(121, 194, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 194, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 194, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 194, 171);  
box-shadow:4px 4px 4px 4px rgb(121, 194,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5276, 45.5888, 45.5078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 194, 171) }
```

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

```
.background{ background-color: rgb(121,  
194, 171) }
```

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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