

# Converting Colors

XYZ(27.5124, 40.0251, 45.7762)

Have a look what the booklet for  
XYZ(27.5124, 40.0251, 45.7762)  
contains.

<b>XYZ(27.5127, 40.0077, 45.8074)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(27.5127, 40.0077,  
45.8074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EBCAD
RGB	62, 188, 173
RGB Percent	24%, 74%, 68%
CMY	0.7568, 0.2627, 0.3216
CMYK	0.67, 0.00, 0.08, 0.26
HSL	173°, 50%, 49%
HSV	173°, 67%, 74%
XYZ	27.5127, 40.0077, 45.8074
YIQ	148.6160, -70.2810, -31.3770

# Conversions

## Conversions Part 2

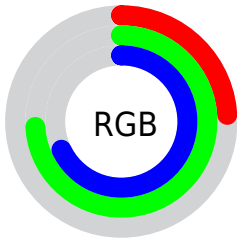
Format	Color
<a href="#">RYB</a>	<a href="#">62, 129, 188</a>
Decimal	<a href="#">4111533</a>
CIELab	<a href="#">69.48, -37.68, -2.49</a>
CIELCh	<a href="#">69, 37.758, 183.782</a>
Yxy	<a href="#">40.0077, 0.2428, 0.3530</a>
Android (android.graphics.Color)	<a href="#">4282301613 (0xFF3EBCAD)</a>
YUV	<a href="#">148.6160, 12.0213, -75.9622</a>
Hunter-Lab	<a href="#">63.2516, -33.0478, 1.3378</a>

# Details

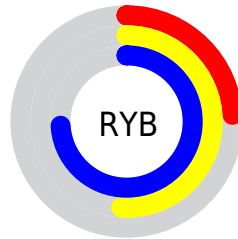
The XYZ color **27.5127, 40.0077, 45.8074** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **23.8026, 14.6737, 8.6005**, and the grayscale version is **28.3795, 29.8574, 32.5147**.

A 20% lighter version of the original color is **55.1134, 75.2662, 85.0218**, and **11.9763, 18.4307, 21.0154** is the 20% darker color. If you saturate the color by 10%, you get **26.3169, 39.4170, 44.6310**, and if you desaturate by 10%, it is **29.1221, 40.8131, 47.0239**.

# Distribution



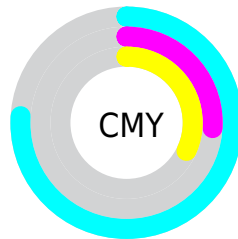
- Red (24%)
- Green (74%)
- Blue (68%)



- Red (24%)
- Yellow (51%)
- Blue (74%)



- Cyan (67%)
- Magenta (0%)
- Yellow (8%)
- Black (26%)



- Cyan (76%)
- Magenta (26%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5127, 40.0077, 45.8074 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 27.5127, 40.0077, 45.8074 by changing the saturation by 10% instead.



■ 27.5127, 40.0077,  
45.8074

■ 27.5127, 40.0077,  
45.8074

282.2535,  
346.1560, 386.2889

■ 18.0972, 27.5445,  
31.7463

■ 55.1196, 75.1752,  
85.2619

■ 11.1199, 17.9826,  
20.9046

■ 74.0417, 98.6484,  
111.4924

■ 6.2154, 10.9375,  
12.8637

■ 96.8635, 126.5604,  
142.6165

■ 3.0184, 6.0248,  
7.2051

■ 123.9501,  
159.2956, 179.0526

■ 1.1635, 2.8602,  
3.5103

■ 155.6671,  
197.2383, 221.2194

■ 0.0773, 1.0592,  
1.3608

192.3798,

■ 0.0000, 0.0000,

240.7730, 269.5353

0.1108

234.4535,  
290.2841, 324.4190

■ 0.0000, 0.0000,  
0.0000

■ 27.5127, 40.0077,  
45.8074

■ 27.5127, 40.0077,  
45.8074

■ 26.3169, 39.4170,  
44.6310

■ 29.1221, 40.8131,  
47.0239

■ 25.4871, 39.0136,  
43.4897

■ 31.1797, 41.8481,  
48.2795

■ 24.9632, 38.7676,  
42.3814

■ 33.7200, 43.1316,  
49.5769

■ 24.8318, 38.7069,  
42.0557

■ 36.7734, 44.6792,  
50.9175

■ 40.3678, 46.5053,  
52.3027

■ 44.5291, 48.6231,  
53.7338

■ 49.2813, 51.0452,  
55.2121

■ 54.6473, 53.7832,  
56.7386

■ 60.6486, 56.8484,  
58.3145

# Harmonies

## Analogous

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



28.4725, 40.0077, 30.3804



27.5127, 40.0077, 45.8074



29.1131, 40.0077, 64.9570

# Triad

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



27.5127, 40.0077, 45.8074



44.9042, 40.0077, 77.7381



43.4286, 40.0077, 19.8990

# Complementary

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



27.5127, 40.0077, 45.8074



23.8026, 14.6737, 8.6005

# 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.



48.5946, 40.0077, 27.4706



27.5127, 40.0077, 45.8074



49.5083, 40.0077, 60.0915

# Square

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



27.5127, 40.0077, 45.8074



38.8024, 40.0077, 86.2403



50.9254, 40.0077, 41.3904



37.2602, 40.0077, 17.9653



# Rectangle

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



27.5127, 40.0077, 45.8074



31.5281, 40.0077, 76.5426



50.9254, 40.0077, 41.3904



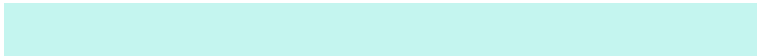
45.3607, 40.0077, 21.7477

# Sweetspot

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



27.5139, 40.0092, 45.8083



70.8909, 83.1284, 93.9477



22.0619, 37.9695, 10.7245



14.8493, 17.6755, 20.0511



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



27.5139, 40.0092, 45.8083



46.9722, 71.0821, 79.9888



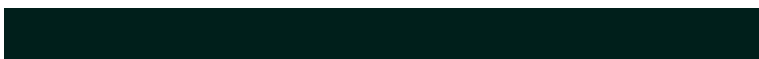
20.7084, 23.9432, 51.1087



9.7583, 10.7895, 11.9769



16.9243, 26.3600, 28.7280



0.6769, 1.0381, 1.1990



# Inverse Universe

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



23.8026, 14.6737, 8.6005



39.8619, 22.0413, 8.3319



26.9937, 21.8081, 7.3451



9.5751, 9.5544, 10.1517



14.2363, 7.3257, 1.2719

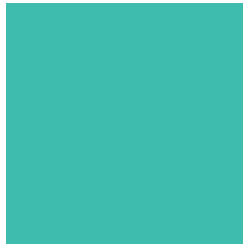


0.5731, 0.2931, 0.1310



# Previews

## White Background



This preview shows how the XYZ color 27.5127, 40.0077, 45.8074 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 27.5127, 40.0077, 45.8074 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

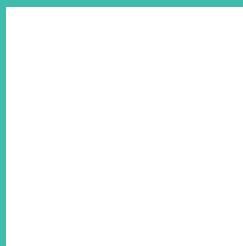
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.5127, 40.0077, 45.8074**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.5127, 40.0077, 45.8074.



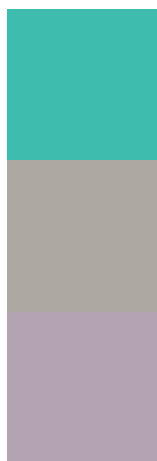
This preview shows how white text looks on a background with the XYZ color 27.5127, 40.0077,



# 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

27.5127, 40.0077, 45.8074

### Protanopia

37.6692, 39.4627, 39.3499

### Deuteranopia

39.9555, 39.1120, 47.5630



## Tritanopia

30.3509, 39.9004, 60.1347

# Trichromacy



## Original Color

27.5127, 40.0077, 45.8074



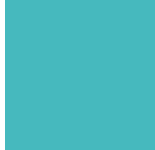
## Protanomaly

31.7944, 38.3631, 41.3264



## Deuteranomaly

32.9055, 37.9580, 46.6666



## Tritanomaly

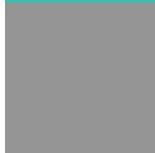
29.1690, 39.7177, 54.8441

# Monochromacy



## Original Color

27.5127, 40.0077, 45.8074



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

26.6049, 32.4449, 37.2080

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.5127, 40.0077, 45.8074 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(62, 188, 173)` looks like.

```
.text, #text, p{  
    color:rgb(62, 188, 173)  
}
```

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(62, 188, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 188, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 27.5127, 40.0077, 45.8074 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(62, 188, 173) }
```



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

```
.border{ border-color:rgb(62, 188, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 188, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 188, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 188, 173);  
box-shadow:4px 4px 4px 4px rgb(62, 188,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.5127, 40.0077, 45.8074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 188, 173) }
```

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

```
.background{ background-color: rgb(62, 188,  
173) }
```

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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