

# Converting Colors

XYZ(43.5152, 60.1418, 85.7684)

Have a look what the booklet for  
XYZ(43.5152, 60.1418, 85.7684)  
contains.

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# Color

**XYZ(43.6050, 60.3664,  
85.6976)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44E0E8
RGB	68, 224, 232
RGB Percent	27%, 88%, 91%
CMY	0.7333, 0.1216, 0.0902
CMYK	0.71, 0.03, 0.00, 0.09
HSL	183°, 78%, 59%
HSV	183°, 71%, 91%
XYZ	43.6050, 60.3664, 85.6976
YIQ	178.2680, -95.5440, -30.5840

# Conversions

## Conversions Part 2

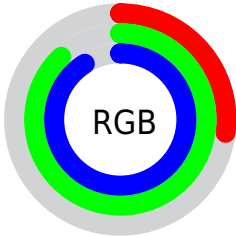
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 148, 232
Decimal	4514024
CIELab	82.04, -36.94, -15.63
CIELCh	82, 40.114, 202.929
Yxy	60.3664, 0.2299, 0.3183
Android (android.graphics.Color)	4282704104 (0xFF44E0E8)
YUV	178.2680, 26.4899, -96.7050
Hunter-Lab	77.6958, -35.7886, -11.0091

# Details

The XYZ color **43.6050, 60.3664, 85.6976** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.9080, 22.7436, 7.9152**, and the grayscale version is **42.3615, 44.5675, 48.5341**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **21.8391, 31.1399, 45.9338** is the 20% darker color. If you saturate the color by 10%, you get **41.9930, 59.0867, 85.5367**, and if you desaturate by 10%, it is **45.8625, 61.9845, 85.8920**.

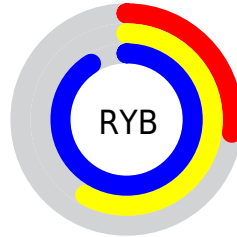
# Distribution



Red (27%)

Green (88%)

Blue (91%)



Red (27%)

Yellow (58%)

Blue (91%)

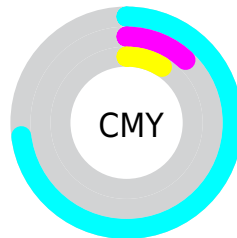


Cyan (71%)

Magenta (3%)

Yellow (0%)

Black (9%)



Cyan (73%)

Magenta (12%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6050, 60.3664, 85.6976 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 43.6050, 60.3664, 85.6976 by changing the saturation by 10% instead.





 43.6050, 60.3664,  
85.6976


 43.6050, 60.3664,  
85.6976


351.9734,  
425.9470, 534.1382


 30.5567, 43.7140,  
63.8645


 79.8731, 105.3610,  
143.2302


 20.4117, 30.4458,  
46.0954


 103.8235,  
134.4720, 179.7668

 12.8046, 20.1772,  
31.9719


 132.1387,  
168.5047, 222.0416

 7.3702, 12.5239,  
21.0754

 165.1840,  
207.8434, 270.4732

 3.7431, 7.1015,  
12.9874

203.3248,  
252.8727, 325.4802

 1.5578, 3.5257,  
7.2892

246.9264,

 0.3647, 1.4119,

303.9767, 387.4809

3.5624

296.3541,  
361.5400, 456.8941

■ 0.0000, 0.2255,  
1.3885

■ 0.0000, 0.0000,  
0.1327

■ 43.6050, 60.3664,  
85.6976

■ 43.6050, 60.3664,  
85.6976

■ 41.9930, 59.0867,  
85.5367

■ 45.8625, 61.9845,  
85.8920


■ 40.9404, 58.0971,  
85.4011


■ 48.8275, 63.9690,  
86.1188


■ 40.3394, 57.3736,  
85.2932


■ 52.5607, 66.3525,  
86.3821


■ 57.1149, 69.1623,  
86.6844

 62.5381, 72.4231,  
87.0280

 68.8748, 76.1578,  
87.4149

 76.1663, 80.3879,  
87.8471

 84.4514, 85.1332,  
88.3263

 85.2818, 86.0385,  
88.4573

# Harmonies

## Analogous

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



42.6405, 60.3664, 60.1349



43.6050, 60.3664, 85.6976



48.0796, 60.3664, 110.5832

# Triad

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



43.6050, 60.3664, 85.6976



71.4262, 60.3664, 98.1655



59.4115, 60.3664, 29.3673

# Complementary

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



43.6050, 60.3664, 85.6976



36.9080, 22.7436, 7.9152

# 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.



67.8005, 60.3664, 35.0146



43.6050, 60.3664, 85.6976



75.1676, 60.3664, 71.6592

# Square

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



43.6050, 60.3664, 85.6976



63.9806, 60.3664, 118.9336



73.7792, 60.3664, 49.1311



51.2431, 60.3664, 31.3638

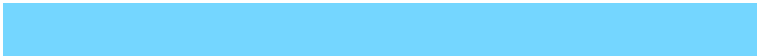


# Rectangle

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



43.6050, 60.3664, 85.6976



52.7122, 60.3664, 121.3790



73.7792, 60.3664, 49.1311



62.3080, 60.3664, 30.3756

# Sweetspot

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



43.6069, 60.3687, 85.6991



77.1910, 89.5649, 107.8271



32.4601, 59.4308, 16.1470



16.1018, 18.9196, 23.0531



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.



43.6069, 60.3687, 85.6991



51.3384, 72.5964, 105.9144



27.0055, 27.1660, 80.1653



14.7441, 16.2095, 18.4960



22.4223, 31.9068, 47.3600



1.6756, 2.3951, 3.5060



# Inverse Universe

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



48.8019, 26.6736, 73.0997



58.3354, 29.2200, 88.4949



46.1230, 41.1738, 10.9869



14.9632, 14.6025, 18.0064



25.7113, 12.4187, 38.9701

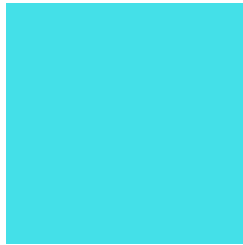


1.9094, 0.9215, 2.9293



# Previews

## White Background



This preview shows how the XYZ color 43.6050, 60.3664, 85.6976 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

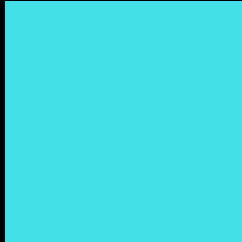
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6050, 60.3664, 85.6976 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 43.6050, 60.3664, 85.6976**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6050, 60.3664, 85.6976.



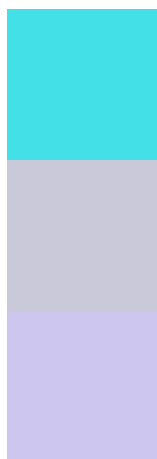
This preview shows how white text looks on a background with the XYZ color 43.6050, 60.3664,



# 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

43.6050, 60.3664, 85.6976

### Protanopia

57.8987, 59.3918, 74.7418

### Deuteranopia

60.8035, 59.5403, 89.1767



## Tritanopia

45.0125, 60.5427, 92.5326

# Trichromacy



## Original Color

43.6050, 60.3664, 85.6976



## Protanomaly

49.2566, 57.7009, 78.3533



## Deuteranomaly

50.9707, 57.6503, 87.7981



## Tritanomaly

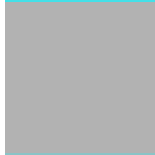
44.4188, 60.2880, 90.1845

# Monochromacy



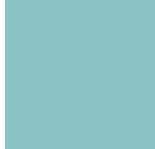
## Original Color

43.6050, 60.3664, 85.6976



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

40.1894, 48.5107, 60.6714

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6050, 60.3664, 85.6976 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(68, 224, 232)` looks like.

```
.text, #text, p{  
    color:rgb(68, 224, 232)  
}
```

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(68, 224, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 224, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6050, 60.3664, 85.6976 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(68, 224, 232) }
```



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

```
.border{ border-color:rgb(68, 224, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 224, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 224, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 224, 232);  
box-shadow:4px 4px 4px 4px rgb(68, 224,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6050, 60.3664, 85.6976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 224, 232) }
```

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

```
.background{ background-color: rgb(68, 224,  
232) }
```

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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