

# Converting Colors

XYZ(45.5641, 62.1866, 81.4140)

Have a look what the booklet for  
XYZ(45.5641, 62.1866, 81.4140)  
contains.

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# Color

**XYZ(45.6431, 62.3166,  
81.5742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FE2E2
RGB	95, 226, 226
RGB Percent	37%, 89%, 89%
CMY	0.6274, 0.1137, 0.1137
CMYK	0.58, 0.00, 0.00, 0.11
HSL	180°, 69%, 63%
HSV	180°, 58%, 89%
XYZ	45.6431, 62.3166, 81.5742
YIQ	186.8310, -78.0760, -27.7720

# Conversions

## Conversions Part 2

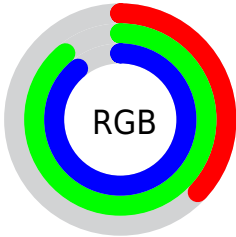
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	95, 161, 226
Decimal	6284002
CIE <sub>Lab</sub>	83.08, -35.53, -10.82
CIE <sub>LCh</sub>	83, 37.140, 196.932
Yxy	62.3166, 0.2408, 0.3288
Android (android.graphics.Color)	4284474082 (0xFF5FE2E2)
YUV	186.8310, 19.3103, -80.5358
Hunter-Lab	78.9409, -34.9390, -6.0092

# Details

The XYZ color **45.6431, 62.3166, 81.5742** 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 **37.5238, 25.1812, 13.7111**, and the grayscale version is **47.0668, 49.5179, 53.9250**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **21.7254, 31.6897, 43.4998** is the 20% darker color. If you saturate the color by 10%, you get **43.6278, 61.2791, 81.4810**, and if you desaturate by 10%, it is **48.3429, 63.7098, 81.7022**.

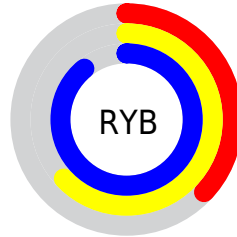
# Distribution



Red (37%)

Green (89%)

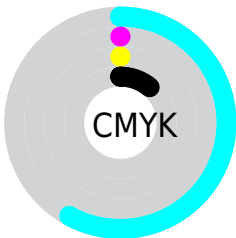
Blue (89%)



Red (37%)

Yellow (63%)

Blue (89%)

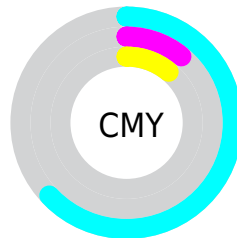


Cyan (58%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (63%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6431, 62.3166, 81.5742 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 45.6431, 62.3166, 81.5742 by changing the saturation by 10% instead.



45.6431, 62.3166,  
81.5742

45.6431, 62.3166,  
81.5742

360.1120,  
433.0850, 520.0683

32.1677, 45.2886,  
60.4809

82.9158, 108.1830,  
137.4080

21.6458, 31.6848,  
43.3785

107.4437,  
137.7901, 172.9856

13.7120, 21.1208,  
29.8486

136.3866,  
172.3591, 214.2284

8.0010, 13.2124,  
19.4726

170.1097,  
212.2742, 261.5548

4.1474, 7.5749,  
11.8320

208.9785,  
257.9200, 315.3835

1.7859, 3.8242,  
6.5083

253.3582,

0.5091, 1.5757,

309.6808, 376.1329

3.0828

303.6142,  
367.9410, 444.2217

■ 0.0000, 0.3411,  
1.1371

■ 0.0000, 0.0000,  
0.0000

■ 45.6431, 62.3166,  
81.5742

■ 45.6431, 62.3166,  
81.5742

■ 43.6278, 61.2791,  
81.4810

■ 48.3429, 63.7098,  
81.7022

■ 42.2307, 60.5589,  
81.4154


■ 51.7752, 65.4792,  
81.8631


■ 41.3823, 60.1215,  
81.3754


■ 55.9900, 67.6520,  
82.0606


■ 40.9825, 59.9154,  
81.3565


■ 61.0313, 70.2509,  
82.2967


 40.9248, 59.8857,  
81.3537

 66.9399, 73.2969,  
82.5735

 73.7540, 76.8097,  
82.8927

 81.5094, 80.8077,  
83.2559

 82.1654, 81.1459,  
83.2868

 82.1655, 81.1459,  
83.2871

# Harmonies

## Analogous

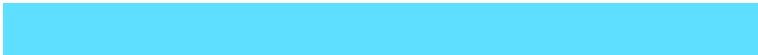
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.4168, 62.3166, 58.3297



45.6431, 62.3166, 81.5742



49.2923, 62.3166, 105.5891

# Triad

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



45.6431, 62.3166, 81.5742



71.2512, 62.3166, 102.7808



62.7931, 62.3166, 33.2284

# Complementary

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



45.6431, 62.3166, 81.5742



37.5238, 25.1812, 13.7111

# 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.



70.4211, 62.3166, 40.3850



45.6431, 62.3166, 81.5742



75.5935, 62.3166, 78.3584

# Square

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



45.6431, 62.3166, 81.5742



63.8454, 62.3166, 119.6044



75.2767, 62.3166, 55.7623



54.8427, 62.3166, 33.7106

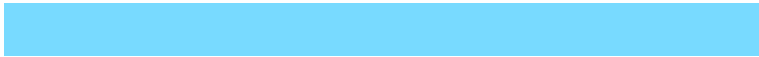


# Rectangle

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



45.6431, 62.3166, 81.5742



53.3794, 62.3166, 117.2558



75.2767, 62.3166, 55.7623



65.4934, 62.3166, 34.7371

# Sweetspot

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



45.6450, 62.3190, 81.5757



80.8605, 92.6850, 108.2354



34.2131, 57.7728, 20.1760



16.9970, 19.6784, 23.1523



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.



45.6450, 62.3190, 81.5757



56.8299, 80.2969, 107.1090



31.4898, 34.0082, 76.8587



14.1166, 15.5724, 17.6494



23.3468, 34.1636, 46.4107



1.6183, 2.3680, 3.2169



# Inverse Universe

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



37.5238, 25.1812, 13.7111



45.1811, 27.0269, 9.7649



45.7128, 41.5592, 16.4403



13.7073, 13.7006, 14.2288



17.8932, 9.2243, 0.8375

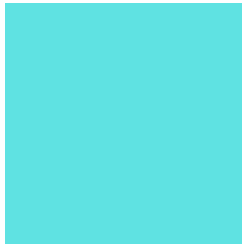


1.2403, 0.6394, 0.0581



# Previews

## White Background



This preview shows how the XYZ color 45.6431, 62.3166, 81.5742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

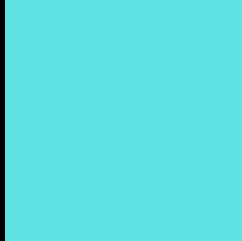
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.6431, 62.3166, 81.5742 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

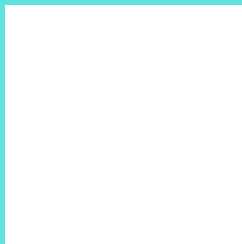
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 45.6431, 62.3166, 81.5742

## Background



This preview shows how black text looks on a background with the XYZ color 45.6431, 62.3166, 81.5742.



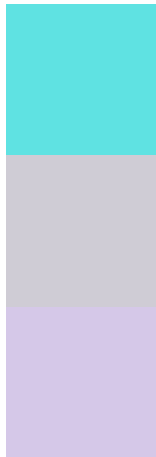
This preview shows how white text looks on a background with the XYZ color 45.6431, 62.3166,



# 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

45.6431, 62.3166, 81.5742

### Protanopia

59.3352, 61.2552, 71.6469

### Deuteranopia

62.6603, 61.2809, 84.8698



## Tritanopia

48.1622, 62.5469, 93.5387

# Trichromacy



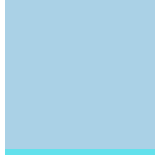
## Original Color

45.6431, 62.3166, 81.5742



## Protanomaly

51.9243, 60.2559, 75.2235



## Deuteranomaly

53.6610, 59.8601, 83.5888



## Tritanomaly

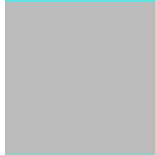
47.2111, 62.5592, 88.9437

# Monochromacy



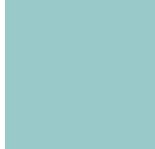
## Original Color

45.6431, 62.3166, 81.5742



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

44.7557, 52.8604, 63.1025

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6431, 62.3166, 81.5742 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(95, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(95, 226, 226)  
}
```

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(95, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 226, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6431, 62.3166, 81.5742 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(95, 226, 226) }
```



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

```
.border{ border-color:rgb(95, 226, 226) }
```

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

Here you see how a box with a 4 pixel rgb(95, 226, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(95, 226,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6431, 62.3166, 81.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 226, 226) }
```

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

```
.background{ background-color: rgb(95, 226,  
226) }
```

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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