

# Converting Colors

XYZ(45.5763, 56.0108, 65.2040)

Have a look what the booklet for  
XYZ(45.5763, 56.0108, 65.2040)  
contains.

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# Color

**XYZ(45.6126, 56.1158,  
64.9273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93D1CB
RGB	147, 209, 203
RGB Percent	58%, 82%, 80%
CMY	0.4235, 0.1804, 0.2039
CMYK	0.30, 0.00, 0.03, 0.18
HSL	174°, 40%, 70%
HSV	174°, 30%, 82%
XYZ	45.6126, 56.1158, 64.9273
YIQ	189.7780, -35.0260, -15.0100

# Conversions

## Conversions Part 2

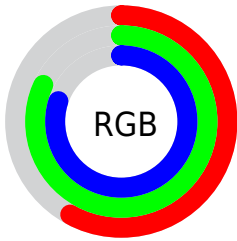
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 180, 209
Decimal	9687499
CIELab	79.68, -20.95, -3.37
CIELCh	80, 21.224, 189.148
Yxy	56.1158, 0.2737, 0.3367
Android (android.graphics.Color)	4287877579 (0xFF93D1CB)
YUV	189.7780, 6.5184, -37.5163
Hunter-Lab	74.9105, -22.4056, 1.0488

# Details

The XYZ color **45.6126, 56.1158, 64.9273** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.4800, 36.7242, 34.9888**, and the grayscale version is **48.7953, 51.3364, 55.9054**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **21.5965, 27.6608, 32.6346** is the 20% darker color. If you saturate the color by 10%, you get **41.9608, 54.2623, 63.5069**, and if you desaturate by 10%, it is **49.9517, 58.3261, 66.3987**.

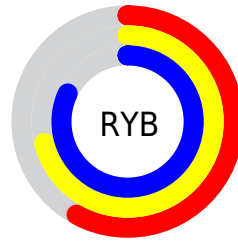
# Distribution



Red (58%)

Green (82%)

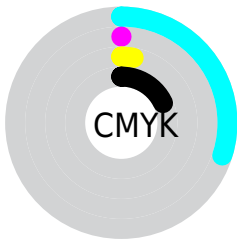
Blue (80%)



Red (58%)

Yellow (71%)

Blue (82%)

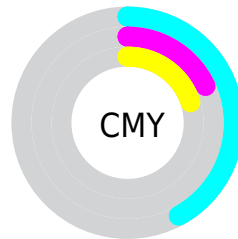


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (18%)



Cyan (42%)

Magenta (18%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6126, 56.1158, 64.9273 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 45.6126, 56.1158, 64.9273 by changing the saturation by 10% instead.





 45.6126, 56.1158,  
64.9273


 45.6126, 56.1158,  
64.9273


359.9911,  
410.1278, 460.8297

 32.1436, 40.2958,  
46.9512


 82.8703, 99.1739,  
113.5576

 21.6272, 27.7692,  
32.6430


 107.3897,  
127.1807, 145.0489

 13.6983, 18.1518,  
21.5842


136.3233,  
160.0186, 181.8822

 7.9914, 11.0590,  
13.3563

170.0364,  
198.0719, 224.4762

 4.1412, 6.1065,  
7.5408

208.8944,  
241.7251, 273.2495

 1.7823, 2.9100,  
3.7190

253.2626,

 0.5070, 1.0849,

291.3626, 328.6204

1.4725

303.5063,  
347.3686, 391.0077

■ 0.0000, 0.0000,  
0.1973

■ 0.0000, 0.0000,  
0.0000

■ 45.6126, 56.1158,  
64.9273

■ 45.6126, 56.1158,  
64.9273

■ 41.9608, 54.2623,  
63.5069

■ 49.9517, 58.3261,  
66.3987

■ 38.9544, 52.7398,  
62.1319

■ 55.0074, 60.9040,  
67.9189

■ 36.5548, 51.5297,  
60.8016

■ 60.8131, 63.8681,  
69.4908

■ 34.7170, 50.6089,  
59.5138

■ 67.3987, 67.2340,  
71.1158

■ 33.3896, 49.9509,  
58.2661

■ 74.7925, 71.0161,  
72.7953

■ 32.5122, 49.5244,  
57.0556

■ 76.3255, 71.7765,  
74.2172

■ 31.9779, 49.2745,  
55.8772

■ 76.5874, 71.8813,  
75.5965

■ 31.9618, 49.2670,  
55.8381

■ 76.8525, 71.9873,  
76.9927

■ 77.1209, 72.0947,  
78.4060

# Harmonies

## Analogous

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



46.0053, 56.1158, 53.0847



45.6126, 56.1158, 64.9273



47.2018, 56.1158, 77.2315

# Triad

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



45.6126, 56.1158, 64.9273



58.7059, 56.1158, 81.2753



56.3215, 56.1158, 41.6054

# Complementary

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



45.6126, 56.1158, 64.9273



42.4800, 36.7242, 34.9888

# 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.



59.9807, 56.1158, 47.3884



45.6126, 56.1158, 64.9273



61.4077, 56.1158, 69.8853

# Square

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



45.6126, 56.1158, 64.9273



54.6563, 56.1158, 87.4666



61.8863, 56.1158, 57.4272



52.0378, 56.1158, 40.6495



# Rectangle

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



45.6126, 56.1158, 64.9273



49.2240, 56.1158, 83.6653



61.8863, 56.1158, 57.4272



57.6717, 56.1158, 43.0083

# Sweetspot

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



45.6142, 56.1181, 64.9286



86.7492, 95.7619, 106.6550



41.2433, 54.5016, 35.9510



18.3005, 20.3606, 22.7522



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

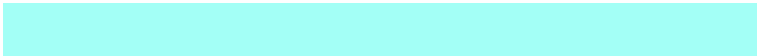


# Same Dimension

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



45.6142, 56.1181, 64.9286



67.5571, 85.9884, 100.3162



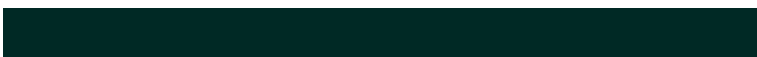
40.7250, 45.1725, 66.8969



12.1070, 13.3865, 14.9197



19.7261, 30.3834, 34.5334



1.1176, 1.7047, 2.0081



# Inverse Universe

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



42.4800, 36.7242, 34.9888



61.8275, 50.5074, 45.5640



46.2774, 45.0928, 33.8696



11.8546, 11.8266, 12.5100



16.3081, 8.3961, 1.2629

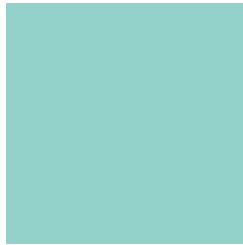


0.9281, 0.4760, 0.1564



# Previews

## White Background



This preview shows how the XYZ color 45.6126, 56.1158, 64.9273 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 45.6126, 56.1158, 64.9273 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

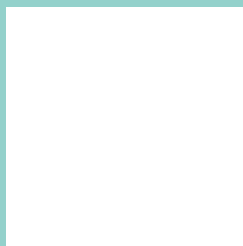
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.6126, 56.1158, 64.9273**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6126, 56.1158, 64.9273.



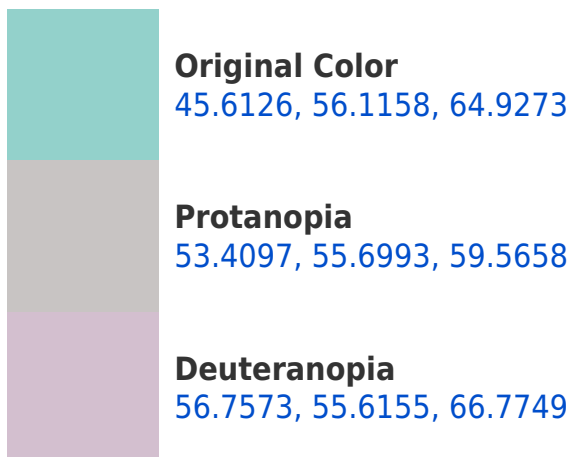
This preview shows how white text looks on a background with the XYZ color 45.6126, 56.1158,



# 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





## Tritanopia

48.1531, 56.0496, 78.0928

# Trichromacy



**Original Color**

45.6126, 56.1158, 64.9273

**Protanomaly**

50.1357, 55.6743, 61.5299

**Deuteranomaly**

52.0737, 55.5358, 66.3674

**Tritanomaly**

47.2852, 56.0675, 73.2957

# Monochromacy



**Original Color**

45.6126, 56.1158, 64.9273

**Achromatopsia**

48.9429, 51.4918, 56.0745

**Achromatomaly**

47.2721, 52.8713, 59.3434

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6126, 56.1158, 64.9273 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(147, 209, 203)` looks like.

```
.text, #text, p{  
    color:rgb(147, 209, 203)  
}
```

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(147, 209, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 209, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6126, 56.1158, 64.9273 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(147, 209, 203) }
```



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

```
.border{ border-color:rgb(147, 209, 203) }
```

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

Here you see how a box with a 4 pixel rgb(147, 209, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 209, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 209, 203);  
box-shadow:4px 4px 4px 4px rgb(147, 209,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6126, 56.1158, 64.9273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 209, 203) }
```

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

```
.background{ background-color: rgb(147,  
209, 203) }
```

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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