

# Converting Colors

XYZ(46.3425, 56.4920, 64.9615)

Have a look what the booklet for  
XYZ(46.3425, 56.4920, 64.9615)  
contains.

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# Color

**XYZ(46.3425, 56.4920,  
64.9615)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97D1CB
RGB	151, 209, 203
RGB Percent	59%, 82%, 80%
CMY	0.4078, 0.1804, 0.2039
CMYK	0.28, 0.00, 0.03, 0.18
HSL	174°, 39%, 71%
HSV	174°, 28%, 82%
XYZ	46.3425, 56.4920, 64.9615
YIQ	190.9740, -32.6420, -14.1620

# Conversions

## Conversions Part 2

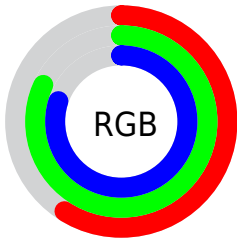
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 182, 209
Decimal	9949643
CIELab	79.89, -19.80, -3.04
CIELCh	80, 20.028, 188.719
Yxy	56.4920, 0.2762, 0.3367
Android (android.graphics.Color)	4288139723 (0xFF97D1CB)
YUV	190.9740, 5.9288, -35.0572
Hunter-Lab	75.1612, -21.4734, 1.3687

# Details

The XYZ color **46.3425, 56.4920, 64.9615** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.4489, 38.1245, 36.9694**, and the grayscale version is **49.4878, 52.0650, 56.6988**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **22.0174, 27.8778, 32.6543** is the 20% darker color. If you saturate the color by 10%, you get **42.5467, 54.5662, 63.4488**, and if you desaturate by 10%, it is **50.8328, 58.7783, 66.5279**.

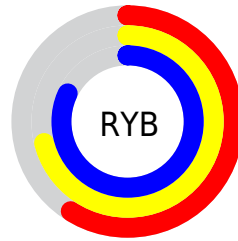
# Distribution



Red (59%)

Green (82%)

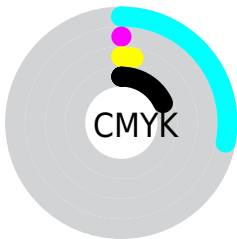
Blue (80%)



Red (59%)

Yellow (71%)

Blue (82%)

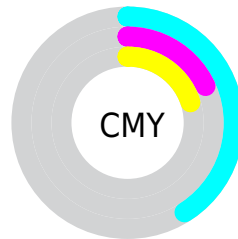


Cyan (28%)

Magenta (0%)

Yellow (3%)

Black (18%)



Cyan (41%)

Magenta (18%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3425, 56.4920, 64.9615 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 46.3425, 56.4920, 64.9615 by changing the saturation by 10% instead.




 46.3425, 56.4920,  
64.9615


 46.3425, 56.4920,  
64.9615


362.8768,  
411.5430, 460.9560

 32.7219, 40.5975,  
46.9787


 83.9561, 99.7236,  
113.6073

 22.0717, 28.0047,  
32.6646


 108.6798,  
127.8295, 145.1073

 14.0265, 18.3292,  
21.6006


137.8353,  
160.7746, 181.9502

 8.2209, 11.1866,  
13.3682

171.7879,  
198.9434, 224.5544

 4.2896, 6.1925,  
7.5489

210.9030,  
242.7202, 273.3386

 1.8673, 2.9625,  
3.7241

255.5460,

 0.5577, 1.1122,

292.4895, 328.7212

1.4752

306.0821,  
348.6357, 391.1209

■ 0.0000, 0.0000,  
0.1994

■ 0.0000, 0.0000,  
0.0000

■ 46.3425, 56.4920,  
64.9615

■ 46.3425, 56.4920,  
64.9615

■ 42.5467, 54.5662,  
63.4488

■ 50.8328, 58.7783,  
66.5279

■ 39.4042, 52.9753,  
61.9841


■ 56.0463, 61.4355,  
68.1458


■ 36.8768, 51.7012,  
60.5669

■ 62.0161, 64.4823,  
69.8181


■ 34.9207, 50.7211,  
59.1949


■ 68.7719, 67.9337,  
71.5461


 33.4860, 50.0094,  
57.8658

 76.1555, 71.7085,  
73.3225


 32.5142, 49.5360,  
56.5768


 76.4334, 71.8196,  
74.7856

 31.9224, 49.2580,  
55.3238

 76.7149, 71.9322,  
76.2681

 31.8112, 49.2068,  
55.0456

 77.0001, 72.0463,  
77.7700

 77.2890, 72.1619,  
79.2914

# Harmonies

## Analogous

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



46.7443, 56.4920, 53.7487



46.3425, 56.4920, 64.9615



47.8315, 56.4920, 76.5788

# Triad

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



46.3425, 56.4920, 64.9615



58.7257, 56.4920, 80.6513



56.5769, 56.4920, 42.9434

# Complementary

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



46.3425, 56.4920, 64.9615



43.4489, 38.1245, 36.9694

# 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.



60.0169, 56.4920, 48.5605



46.3425, 56.4920, 64.9615



61.3003, 56.4920, 69.9851

# Square

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



46.3425, 56.4920, 64.9615



54.8859, 56.4920, 86.3568



61.7844, 56.4920, 58.1833



52.5194, 56.4920, 41.9549



# Rectangle

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



46.3425, 56.4920, 64.9615



49.7423, 56.4920, 82.6605



61.7844, 56.4920, 58.1833



57.8495, 56.4920, 44.3155

# Sweetspot

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



46.3441, 56.4943, 64.9628



87.6009, 96.1989, 106.7869



42.4429, 55.0831, 37.6745



18.4691, 20.4472, 22.7731



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

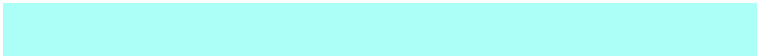


# Same Dimension

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



46.3441, 56.4943, 64.9628



69.2013, 86.8328, 100.5368



41.9937, 46.6264, 67.1106



12.1034, 13.3851, 14.9011



19.6345, 30.3467, 34.0511



1.1134, 1.7030, 1.9857



# Inverse Universe

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



43.4489, 38.1245, 36.9694



63.9679, 53.6065, 49.9201



46.8707, 45.7683, 35.6432



11.8577, 11.8278, 12.5267



16.3169, 8.3996, 1.3089

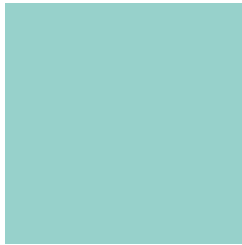


0.9296, 0.4766, 0.1642



# Previews

## White Background



This preview shows how the XYZ color 46.3425, 56.4920, 64.9615 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

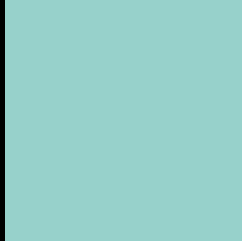
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.3425, 56.4920, 64.9615 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

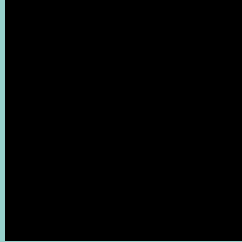
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 46.3425, 56.4920, 64.9615

## Background



This preview shows how black text looks on a background with the XYZ color 46.3425, 56.4920, 64.9615.



This preview shows how white text looks on a background with the XYZ color 46.3425, 56.4920,

64.9615.

# 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

46.3425, 56.4920, 64.9615

### Protanopia

53.7911, 55.8829, 60.1759

### Deuteranopia

57.0447, 55.7636, 66.7884



## **Tritanopia**

48.9082, 56.4389, 78.1281

# Trichromacy



## Original Color

46.3425, 56.4920, 64.9615

## Protanomaly

50.7239, 55.9641, 62.1615

## Deuteranomaly

52.5699, 55.7915, 66.3906

## Tritanomaly

48.0339, 56.4535, 73.3307

# Monochromacy



## Original Color

46.3425, 56.4920, 64.9615

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

47.9489, 53.5584, 59.4404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.3425, 56.4920, 64.9615 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(151, 209, 203)` looks like.

```
.text, #text, p{  
    color:rgb(151, 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(151, 209, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 209, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 46.3425, 56.4920, 64.9615 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(151, 209, 203) }
```



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

```
.border{ border-color:rgb(151, 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(151, 209, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 209, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 209, 203);  
box-shadow:4px 4px 4px 4px rgb(151, 209,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.3425, 56.4920, 64.9615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 209, 203) }
```

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

```
.background{ background-color: rgb(151,  
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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