

# Converting Colors

XYZ(40.6235, 47.1206, 64.8536)

Have a look what the booklet for  
XYZ(40.6235, 47.1206, 64.8536)  
contains.

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# Color

**XYZ(40.5882, 46.9855,  
64.6875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EBECD
RGB	142, 190, 205
RGB Percent	56%, 75%, 80%
CMY	0.4431, 0.2549, 0.1961
CMYK	0.31, 0.07, 0.00, 0.20
HSL	194°, 39%, 68%
HSV	194°, 31%, 80%
XYZ	40.5882, 46.9855, 64.6875
YIQ	177.3580, -33.4230, -5.5110

# Conversions

## Conversions Part 2

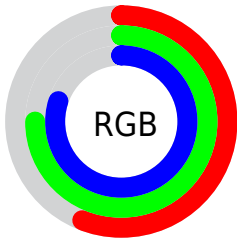
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 169, 205
Decimal	9354957
CIELab	74.18, -12.19, -12.65
CIELCh	74, 17.564, 226.064
Yxy	46.9855, 0.2666, 0.3086
Android (android.graphics.Color)	4287545037 (0xFF8EBECD)
YUV	177.3580, 13.6275, -31.0090
Hunter-Lab	68.5460, -14.2600, -7.9704

# Details

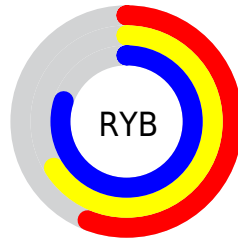
The XYZ color **40.5882, 46.9855, 64.6875** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1168, 39.0463, 30.9091**, and the grayscale version is **41.9224, 44.1056, 48.0311**.

A 20% lighter version of the original color is **74.0317, 85.0019, 107.1129**, and **18.6514, 22.2495, 32.5897** is the 20% darker color. If you saturate the color by 10%, you get **36.3502, 43.2588, 64.1923**, and if you desaturate by 10%, it is **45.5113, 51.1202, 65.2269**.

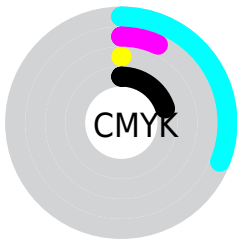
# Distribution



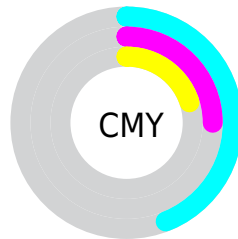
- Red (56%)
- Green (75%)
- Blue (80%)



- Red (56%)
- Yellow (66%)
- Blue (80%)



- Cyan (31%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (44%)
- Magenta (25%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5882, 46.9855, 64.6875 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 40.5882, 46.9855, 64.6875 by changing the saturation by 10% instead.



■ 40.5882, 46.9855,  
64.6875

■ 40.5882, 46.9855,  
64.6875

339.6886,  
374.7566, 459.9436

■ 28.1837, 33.0242,  
46.7580

■ 75.3370, 85.6920,  
113.2094

■ 18.6053, 22.1450,  
32.4914

■ 98.4121, 111.2059,  
144.6389

■ 11.4878, 13.9635,  
21.4692

125.7747,  
141.3396, 181.4055

■ 6.4656, 8.0953,  
13.2728

157.7902,  
176.4773, 223.9277

■ 3.1735, 4.1560,  
7.4838

194.8240,  
217.0034, 272.6241

■ 1.2462, 1.7612,  
3.6834

237.2414,

■ 0.1424, 0.4628,

263.3025, 327.9132

1.4533

285.4079,  
315.7587, 390.2135

■ 0.0000, 0.0000,  
0.1828

■ 0.0000, 0.0000,  
0.0000

■ 40.5882, 46.9855,  
64.6875

■ 40.5882, 46.9855,  
64.6875

■ 36.3502, 43.2588,  
64.1923

■ 45.5113, 51.1202,  
65.2269

■ 32.7571, 39.9155,  
63.7364

■ 51.1484, 55.6749,  
65.8089

■ 29.7711, 36.9367,  
63.3188

■ 57.5318, 60.6679,  
66.4362

■ 27.3486, 34.2993,  
62.9374

■ 64.6905, 66.1145,  
67.1102

■ 25.4395, 31.9771,  
62.5898

■ 72.6519, 72.0295,  
67.8323

■ 23.9845, 29.9390,  
62.2731

■ 77.6656, 76.4799,  
68.4271

■ 22.9414, 28.2514,  
62.0023

■ 78.9598, 79.0683,  
68.8585

■ 80.2916, 81.7319,  
69.3024

■ 81.6614, 84.4715,  
69.7590

# Harmonies

## Analogous

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



39.0899, 46.9855, 56.1083



40.5882, 46.9855, 64.6875



43.2162, 46.9855, 69.8989

# Triad

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



40.5882, 46.9855, 64.6875



50.7954, 46.9855, 55.4493



43.0040, 46.9855, 36.2418

# Complementary

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



40.5882, 46.9855, 64.6875



42.1168, 39.0463, 30.9091

# 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.



46.1322, 46.9855, 36.1095



40.5882, 46.9855, 64.6875



50.7320, 46.9855, 46.5101

# Square

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



40.5882, 46.9855, 64.6875



49.1611, 46.9855, 64.1565



48.9918, 46.9855, 39.6622



40.4392, 46.9855, 40.0478



# Rectangle

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



40.5882, 46.9855, 64.6875



45.3009, 46.9855, 70.4090



48.9918, 46.9855, 39.6622



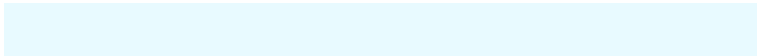
44.0218, 46.9855, 35.7828

# Sweetspot

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



40.5896, 46.9874, 64.6886



85.3867, 92.4677, 107.9554



39.0478, 51.8384, 39.7129



17.9626, 19.5434, 23.0755



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

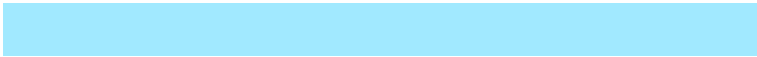


# Same Dimension

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



40.5896, 46.9874, 64.6886



61.6861, 72.7779, 105.4041



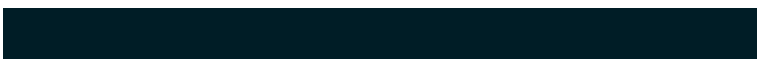
34.5395, 34.8871, 62.6719



11.3082, 12.2567, 14.3402



14.3582, 17.7404, 38.6237



0.7968, 1.0274, 2.0112



# Inverse Universe

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



44.1452, 36.0439, 53.3478



68.5660, 52.4844, 83.2626



48.0862, 50.9850, 32.8989



11.5689, 11.3563, 13.5304



19.4583, 9.5939, 20.6636

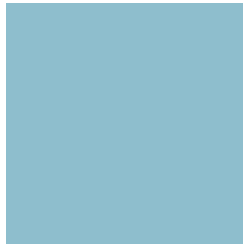


1.0321, 0.5063, 1.2151



# Previews

## White Background



This preview shows how the XYZ color 40.5882, 46.9855, 64.6875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

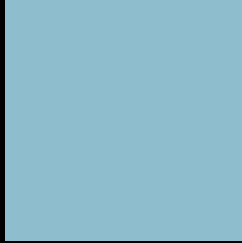
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.5882, 46.9855, 64.6875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

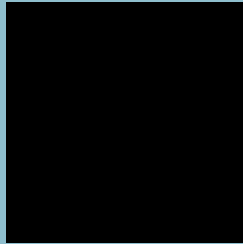
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.5882, 46.9855, 64.6875**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.5882, 46.9855, 64.6875.



This preview shows how white text looks on a background with the XYZ color 40.5882, 46.9855,



# 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

40.5882, 46.9855, 64.6875

### Protanopia

45.6551, 46.8746, 60.6742

### Deuteranopia

47.6008, 46.5631, 66.1533



## Tritanopia

40.5882, 46.9855, 64.6875

# Trichromacy



## Original Color

40.5882, 46.9855, 64.6875

## Protanomaly

43.4090, 46.6050, 61.9661

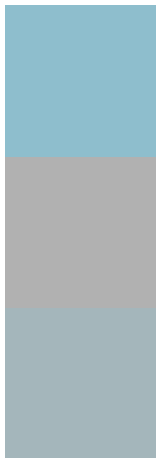
## Deuteranomaly

44.7850, 46.6188, 65.6694

## Tritanomaly

40.5882, 46.9855, 64.6875

# Monochromacy



## Original Color

40.5882, 46.9855, 64.6875

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

41.0074, 44.9363, 53.5260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5882, 46.9855, 64.6875 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(142, 190, 205)` looks like.

```
.text, #text, p{  
    color:rgb(142, 190, 205)  
}
```

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(142, 190, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 190, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5882, 46.9855, 64.6875 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(142, 190, 205) }
```



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

```
.border{ border-color:rgb(142, 190, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 190, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 190, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 190, 205); box-shadow:4px 4px 4px 4px rgb(142, 190, 205) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5882, 46.9855, 64.6875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 190, 205) }
```

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

```
.background{ background-color: rgb(142,  
190, 205) }
```

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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