

# Converting Colors

XYZ(41.7473, 46.0620, 60.6862)

Have a look what the booklet for  
XYZ(41.7473, 46.0620, 60.6862)  
contains.

<b>XYZ(41.7583, 46.0905, 60.7283)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(41.7583, 46.0905,  
60.7283)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EB9C7
RGB	158, 185, 199
RGB Percent	62%, 73%, 78%
CMY	0.3804, 0.2745, 0.2196
CMYK	0.21, 0.07, 0.00, 0.22
HSL	200°, 27%, 70%
HSV	200°, 21%, 78%
XYZ	41.7583, 46.0905, 60.7283
YIQ	178.5230, -20.5860, -1.3700

# Conversions

## Conversions Part 2

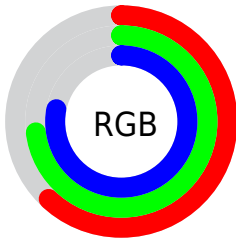
Format	Color
R <sub>Y</sub> B	158, 174, 199
Decimal	10402247
CIE Lab	73.60, -6.12, -10.14
CIE LCh	74, 11.843, 238.889
Yxy	46.0905, 0.2811, 0.3102
Android (android.graphics.Color)	4288592327 (0xFF9EB9C7)
YUV	178.5230, 10.0952, -17.9987
Hunter-Lab	67.8900, -9.0143, -5.5125

# Details

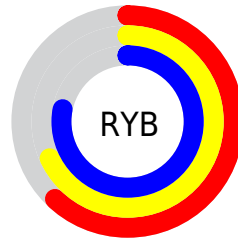
The XYZ color **41.7583, 46.0905, 60.7283** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.4777, 44.1159, 38.5198**, and the grayscale version is **42.5510, 44.7670, 48.7513**.

A 20% lighter version of the original color is **76.9459, 84.2767, 106.8193**, and **19.3060, 21.6110, 29.9419** is the 20% darker color. If you saturate the color by 10%, you get **36.7692, 41.4598, 60.0982**, and if you desaturate by 10%, it is **47.4519, 51.1876, 61.4128**.

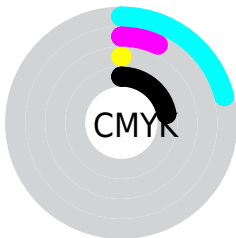
# Distribution



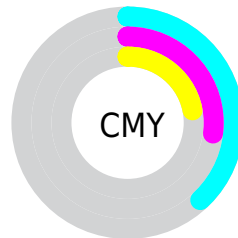
- Red (62%)
- Green (73%)
- Blue (78%)



- Red (62%)
- Yellow (68%)
- Blue (78%)



- Cyan (21%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (27%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7583, 46.0905, 60.7283 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 41.7583, 46.0905, 60.7283 by changing the saturation by 10% instead.



■ 41.7583, 46.0905,  
60.7283

■ 41.7583, 46.0905,  
60.7283

344.4887,  
371.1724, 445.1560

■ 29.1024, 32.3172,  
43.5768

■ 77.1012, 84.3544,  
107.4391

■ 19.3029, 21.6039,  
30.0032

■ 100.5188,  
109.6139, 137.8355

■ 11.9947, 13.5662,  
19.5889

128.2543,  
139.4709, 173.4840

■ 6.8122, 7.8196,  
11.9155

160.6732,  
174.3097, 214.8031

■ 3.3902, 3.9797,  
6.5643

198.1407,  
214.5149, 262.2113

■ 1.3633, 1.6622,  
3.1169

241.0222,

■ 0.2299, 0.3990,

260.4709, 316.1271

1.1546

289.6831,  
312.5619, 376.9692

■ 0.0000, 0.0000,  
0.0000

■ 41.7583, 46.0905,  
60.7283

■ 41.7583, 46.0905,  
60.7283

■ 36.7692, 41.4598,  
60.0982

■ 47.4519, 51.1876,  
61.4128

■ 32.4491, 37.2723,  
59.5176

■ 53.8753, 56.7618,  
62.1502

■ 28.7655, 33.5109,  
58.9857

■ 61.0573, 62.8308,  
62.9431

■ 25.6813, 30.1551,  
58.5006

■ 69.0242, 69.4092,  
63.7929

■ 23.1551, 27.1821,  
58.0599

■ 76.8738, 76.0332,  
64.6578

■ 21.1401, 24.5662,  
57.6611

■ 78.6824, 79.6505,  
65.2607

■ 19.5807, 22.2771,  
57.3015

■ 80.5642, 83.4141,  
65.8879

■ 18.4333, 20.3723,  
56.9943

■ 82.5200, 87.3257,  
66.5399

■ 84.5506, 91.3869,  
67.2167

# Harmonies

## Analogous

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



40.3733, 46.0905, 55.9693



41.7583, 46.0905, 60.7283



43.7296, 46.0905, 62.6303

# Triad

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



41.7583, 46.0905, 60.7283



47.9614, 46.0905, 50.4088



41.8895, 46.0905, 40.7431

# Complementary

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



41.7583, 46.0905, 60.7283



44.4777, 44.1159, 38.5198

# 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.



43.8858, 46.0905, 39.5078



41.7583, 46.0905, 60.7283



47.4315, 46.0905, 44.8131

# Square

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



41.7583, 46.0905, 60.7283



47.3491, 46.0905, 56.3871



45.9230, 46.0905, 40.9381



40.4473, 46.0905, 44.4547



# Rectangle

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



41.7583, 46.0905, 60.7283



45.1252, 46.0905, 61.9152



45.9230, 46.0905, 40.9381



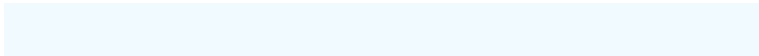
42.5160, 46.0905, 40.0382

# Sweetspot

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



41.7597, 46.0924, 60.7293



87.9996, 93.9251, 108.0990



41.9393, 51.0826, 46.5125



18.6775, 19.9664, 23.1194



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.



41.7597, 46.0924, 60.7293



68.8043, 76.7398, 105.7936



37.8354, 38.2438, 59.4212



10.6300, 11.4341, 13.5642



11.9369, 13.2676, 36.6761



0.6305, 0.7589, 1.7584



# Inverse Universe

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



44.5381, 40.0997, 51.2936



74.6670, 64.5274, 85.7866



48.6118, 52.3841, 39.8978



10.9233, 10.7527, 12.5793



17.8245, 8.8794, 14.8176



0.8770, 0.4336, 0.8752



# Previews

## White Background



This preview shows how the XYZ color 41.7583, 46.0905, 60.7283 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

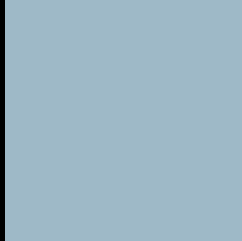
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7583, 46.0905, 60.7283 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 41.7583, 46.0905, 60.7283**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7583, 46.0905, 60.7283.



This preview shows how white text looks on a background with the XYZ color 41.7583, 46.0905,



# 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

41.7583, 46.0905, 60.7283

### Protanopia

44.5608, 45.7640, 58.1145

### Deuteranopia

47.0542, 46.0865, 61.6739



## Tritanopia

41.8748, 46.1372, 61.3419

# Trichromacy



## Original Color

41.7583, 46.0905, 60.7283

## Protanomaly

43.2823, 45.6912, 58.7626

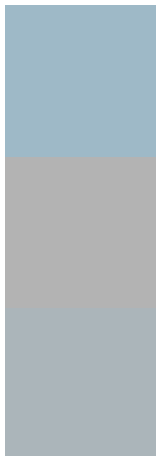
## Deuteranomaly

44.9055, 45.8753, 61.1316

## Tritanomaly

41.8748, 46.1372, 61.3419

# Monochromacy



## Original Color

41.7583, 46.0905, 60.7283

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

42.1814, 45.2508, 52.9655

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7583, 46.0905, 60.7283 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(158, 185, 199)` looks like.

```
.text, #text, p{  
    color:rgb(158, 185, 199)  
}
```

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(158, 185, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 185, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7583, 46.0905, 60.7283 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(158, 185, 199) }
```



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

```
.border{ border-color:rgb(158, 185, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 185, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 185, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 185, 199);  
box-shadow:4px 4px 4px 4px rgb(158, 185,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7583, 46.0905, 60.7283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 185, 199) }
```

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

```
.background{ background-color: rgb(158,  
185, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor