

# Converting Colors

XYZ(46.1352, 61.0933, 58.0758)

Have a look what the booklet for  
XYZ(46.1352, 61.0933, 58.0758)  
contains.

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# Color

**XYZ(46.1352, 61.0933,  
58.0758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DDDBE
RGB	141, 221, 190
RGB Percent	55%, 87%, 75%
CMY	0.4470, 0.1333, 0.2549
CMYK	0.36, 0.00, 0.14, 0.13
HSL	157°, 54%, 71%
HSV	157°, 36%, 87%
XYZ	46.1352, 61.0933, 58.0758
YIQ	193.5460, -37.7290, -26.6010

# Conversions

## Conversions Part 2

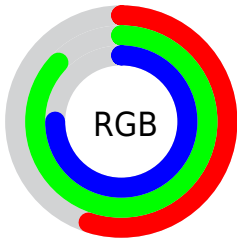
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 191, 221
Decimal	9297342
CIELab	82.43, -31.31, 7.51
CIELCh	82, 32.202, 166.517
Yxy	61.0933, 0.2791, 0.3696
Android (android.graphics.Color)	4287487422 (0xFF8DDDBE)
YUV	193.5460, -1.7482, -46.0828
Hunter-Lab	78.1622, -31.4243, 10.6601

# Details

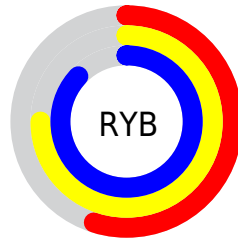
The XYZ color **46.1352, 61.0933, 58.0758** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.7921, 37.4020, 43.7852**, and the grayscale version is **51.0373, 53.6952, 58.4740**.

A 20% lighter version of the original color is **75.4205, 90.0441, 100.5940**, and **22.0821, 31.1048, 28.5069** is the 20% darker color. If you saturate the color by 10%, you get **41.8373, 58.9843, 53.1318**, and if you desaturate by 10%, it is **51.2413, 63.6159, 63.3475**.

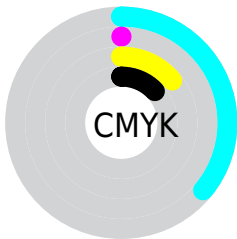
# Distribution



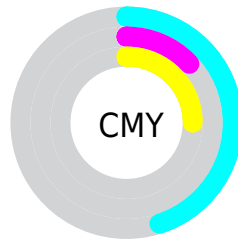
- Red (55%)
- Green (87%)
- Blue (75%)



- Red (55%)
- Yellow (75%)
- Blue (87%)



- Cyan (36%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)




- Cyan (45%)
- Magenta (13%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1352, 61.0933, 58.0758 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 46.1352, 61.0933, 58.0758 by changing the saturation by 10% instead.





 46.1352, 61.0933,  
58.0758


 46.1352, 61.0933,  
58.0758


362.0588,  
428.6160, 435.0745

 32.5576, 44.3005,  
41.4545


 83.6479, 106.4140,  
103.5491

 21.9454, 30.9068,  
28.3520

 108.3138,  
135.7107, 133.2382

 13.9331, 20.5279,  
18.3498


137.4064,  
169.9441, 168.1202

 8.1556, 12.7793,  
11.0294

171.2911,  
209.4986, 208.6138

 4.2473, 7.2768,  
5.9722

210.3334,  
254.7587, 255.1375

 1.8430, 3.6358,  
2.7597

254.8985,

 0.5434, 1.4720,

306.1087, 308.1098

0.9733

305.3519,  
363.9330, 367.9493

■ 0.0000, 0.2689,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 46.1352, 61.0933,  
58.0758

■ 46.1352, 61.0933,  
58.0758

■ 41.8373, 58.9843,  
53.1318

■ 51.2413, 63.6159,  
63.3475

■ 38.2967, 57.2578,  
48.5042

■ 57.1926, 66.5660,  
68.9493

■ 35.4646, 55.8904,  
44.1870

■ 64.0298, 69.9663,  
74.8892

■ 33.2839, 54.8528,  
40.1725

■ 71.7894, 73.8355,  
81.1735

■ 31.6883, 54.1109,  
36.4521

■ 80.5059, 78.1912,  
87.8081

■ 30.5948, 53.6221,  
33.0166

■ 83.0328, 79.3492,  
94.4629

■ 30.2561, 53.4745,  
31.7819

■ 84.3454, 79.8742,  
101.3751

■ 85.1475, 80.1951,  
105.5992

# Harmonies

## Analogous

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



48.9923, 61.0933, 43.7164



46.1352, 61.0933, 58.0758



46.2908, 61.0933, 77.8770

# Triad

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



46.1352, 61.0933, 58.0758



61.9081, 61.0933, 109.8306



67.6497, 61.0933, 42.6537

# Complementary

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



46.1352, 61.0933, 58.0758



46.7921, 37.4020, 43.7852

# 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.



71.6889, 61.0933, 56.3250



46.1352, 61.0933, 58.0758



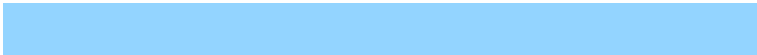
68.1991, 61.0933, 96.1293

# Square

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



46.1352, 61.0933, 58.0758



55.0387, 61.0933, 110.5570



71.8976, 61.0933, 75.7459



61.2052, 61.0933, 36.0733



# Rectangle

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



46.1352, 61.0933, 58.0758



48.0759, 61.0933, 91.6937



71.8976, 61.0933, 75.7459



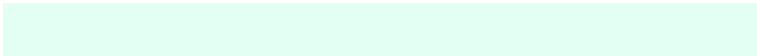
69.3553, 61.0933, 46.4354

# Sweetspot

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



46.1369, 61.0958, 58.0772



83.7717, 94.3823, 99.4939



47.8997, 62.5228, 34.7437



17.6561, 20.0652, 21.0563



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.



46.1369, 61.0958, 58.0772



59.4467, 82.3508, 75.3862



47.8318, 58.4741, 77.1751



13.2199, 14.7396, 15.6211



17.6325, 31.0856, 18.7621



1.1840, 2.0306, 1.4352



# Inverse Universe

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



46.7921, 37.4020, 43.7852



60.4790, 45.2419, 53.0325



45.3758, 38.7916, 30.2962



13.2639, 13.1346, 14.6508



18.3412, 9.3375, 6.1767



1.2297, 0.6215, 0.6183



# Previews

## White Background



This preview shows how the XYZ color 46.1352, 61.0933, 58.0758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

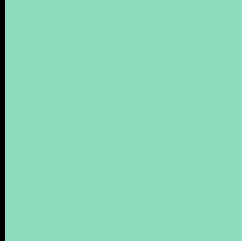
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.1352, 61.0933, 58.0758 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

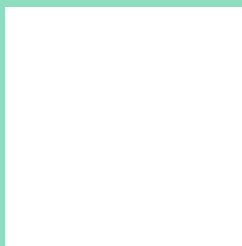
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.1352, 61.0933, 58.0758**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.1352, 61.0933, 58.0758.



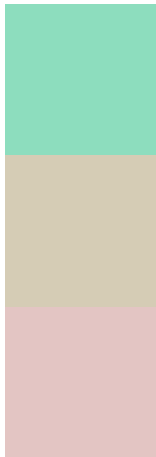
This preview shows how white text looks on a background with the XYZ color 46.1352, 61.0933,

58.0758.

# 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

46.1352, 61.0933, 58.0758

### Protanopia

57.3739, 60.6681, 52.4022

### Deuteranopia

61.4951, 60.2035, 60.0091



## Tritanopia

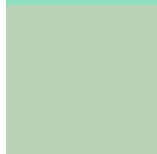
51.6284, 61.0064, 85.3982

# Trichromacy



## Original Color

46.1352, 61.0933, 58.0758



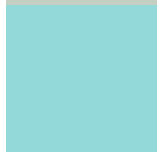
## Protanomaly

52.1918, 60.1187, 54.2007



## Deuteranomaly

54.4619, 59.7286, 59.1104



## Tritanomaly

49.3699, 60.8385, 74.7866

# Monochromacy



## Original Color

46.1352, 61.0933, 58.0758



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

48.8977, 56.1499, 58.7129

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.1352, 61.0933, 58.0758 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(141, 221, 190)` looks like.

```
.text, #text, p{  
    color:rgb(141, 221, 190)  
}
```

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(141, 221, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 221, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 46.1352, 61.0933, 58.0758 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(141, 221, 190) }
```



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

```
.border{ border-color:rgb(141, 221, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 221, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 221, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 221, 190); box-shadow:4px 4px 4px 4px rgb(141, 221, 190) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.1352, 61.0933, 58.0758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 221, 190) }
```

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

```
.background{ background-color: rgb(141,  
221, 190) }
```

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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