

# Converting Colors

XYZ(46.9294, 57.5741, 59.7419)

Have a look what the booklet for  
XYZ(46.9294, 57.5741, 59.7419)  
contains.

<b>XYZ(46.9365, 57.6517, 59.6930)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(46.9365, 57.6517,  
59.6930)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DD3C2
RGB	157, 211, 194
RGB Percent	62%, 83%, 76%
CMY	0.3843, 0.1725, 0.2392
CMYK	0.26, 0.00, 0.08, 0.17
HSL	161°, 38%, 72%
HSV	161°, 26%, 83%
XYZ	46.9365, 57.6517, 59.6930
YIQ	192.9160, -26.7270, -16.7350

# Conversions

## Conversions Part 2

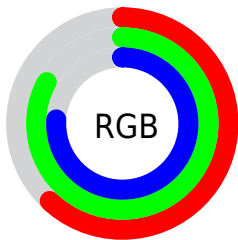
Format	Color
<b>RYB</b>	157, 189, 211
Decimal	10343362
CIELab	80.54, -20.93, 2.77
CIELCh	81, 21.114, 172.467
Yxy	57.6517, 0.2857, 0.3509
Android (android.graphics.Color)	4288533442 (0xFF9DD3C2)
YUV	192.9160, 0.5344, -31.4983
Hunter-Lab	75.9287, -22.5327, 6.5380

# Details

The XYZ color **46.9365, 57.6517, 59.6930** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.5629, 41.0203, 45.5104**, and the grayscale version is **50.6487, 53.2864, 58.0289**.

A 20% lighter version of the original color is **80.4559, 92.5683, 104.0695**, and **22.3310, 28.6134, 29.1569** is the 20% darker color. If you saturate the color by 10%, you get **42.4407, 55.4199, 55.6752**, and if you desaturate by 10%, it is **52.1798, 60.2681, 63.9224**.

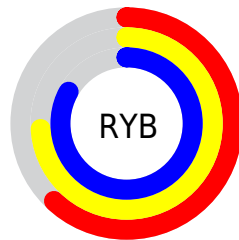
# Distribution



Red (62%)

Green (83%)

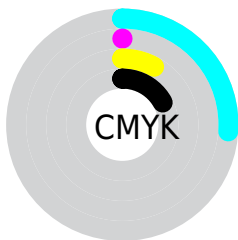
Blue (76%)



Red (62%)

Yellow (74%)

Blue (83%)

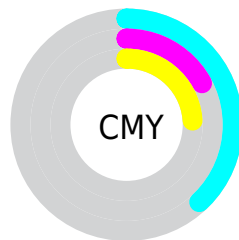


Cyan (26%)

Magenta (0%)

Yellow (8%)

Black (17%)



Cyan (38%)

Magenta (17%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9365, 57.6517, 59.6930 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 46.9365, 57.6517, 59.6930 by changing the saturation by 10% instead.





 46.9365, 57.6517,  
59.6930


 46.9365, 57.6517,  
59.6930


365.2142,  
415.8868, 441.2384

 33.1932, 41.5287,  
42.7476


 84.8381, 101.4155,  
105.9232

 22.4344, 28.7324,  
29.3572


 109.7272,  
129.8251, 136.0450

 14.2948, 18.8785,  
19.1033

139.0622,  
163.0989, 171.3961

 8.4091, 11.5825,  
11.5674

173.2085,  
201.6215, 212.3949

 4.4118, 6.4601,  
6.3309

212.5316,  
245.7772, 259.4600

 1.9376, 3.1268,  
2.9753

257.3966,

 0.5986, 1.1983,

295.9504, 313.0099

1.0820

308.1690,  
352.5255, 373.4632

■ 0.0000, 0.0603,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 46.9365, 57.6517,  
59.6930

■ 46.9365, 57.6517,  
59.6930

■ 42.4407, 55.4199,  
55.6752

■ 52.1798, 60.2681,  
63.9224

■ 38.6507, 53.5465,  
51.8611

■ 58.2002, 63.2797,  
68.3633

■ 35.5277, 52.0133,  
48.2478

■ 65.0313, 66.7052,  
73.0207

■ 33.0274, 50.7974,  
44.8309

■ 72.7036, 70.5604,  
77.8982

■ 31.0999, 49.8731,  
41.6058

■ 78.4307, 73.4088,  
82.8673

■ 29.6869, 49.2105,  
38.5671

■ 79.3669, 73.7833,  
87.7970

■ 28.7173, 48.7729,  
35.7092

■ 80.3388, 74.1721,  
92.9152

■ 28.3730, 48.6217,  
34.5037

■ 81.3469, 74.5753,  
98.2238

■ 82.3916, 74.9932,  
103.7250

# Harmonies

## Analogous

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



48.4446, 57.6517, 49.3160



46.9365, 57.6517, 59.6930



47.4443, 57.6517, 72.3508

# Triad

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



46.9365, 57.6517, 59.6930



58.0457, 57.6517, 87.5354



60.0362, 57.6517, 45.6720

# Complementary

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



46.9365, 57.6517, 59.6930



46.5629, 41.0203, 45.5104

# 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.



62.8708, 57.6517, 54.0800



46.9365, 57.6517, 59.6930



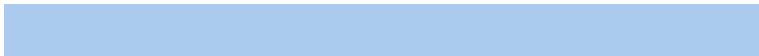
61.6800, 57.6517, 78.4789

# Square

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



46.9365, 57.6517, 59.6930



53.7100, 57.6517, 89.5563



63.4877, 57.6517, 65.9570



55.8970, 57.6517, 41.9451



# Rectangle

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



46.9365, 57.6517, 59.6930



48.8710, 57.6517, 80.3210



63.4877, 57.6517, 65.9570



61.1820, 57.6517, 47.9871

# Sweetspot

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



46.9381, 57.6541, 59.6943



86.9220, 95.9273, 103.2116



46.8598, 58.0355, 40.6314



18.2971, 20.3784, 21.8677



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

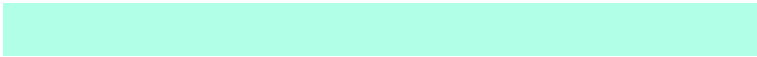


# Same Dimension

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



46.9381, 57.6541, 59.6943



67.9517, 86.4637, 88.0524



46.5743, 53.6934, 69.5400



11.9933, 13.3411, 14.3213



17.1705, 29.3611, 21.0758



0.9951, 1.6557, 1.3629



# Inverse Universe

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



46.5629, 41.0203, 45.5104



67.2792, 56.5005, 62.5188



46.7520, 43.8856, 37.9058



11.9599, 11.8687, 13.0646



16.8548, 8.6147, 4.1414

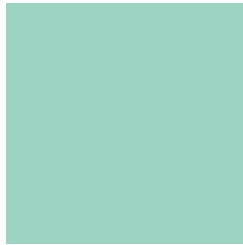


0.9782, 0.4960, 0.4198



# Previews

## White Background



This preview shows how the XYZ color 46.9365, 57.6517, 59.6930 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

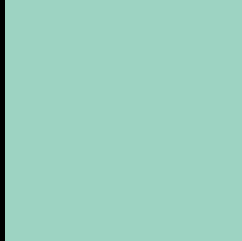
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9365, 57.6517, 59.6930 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

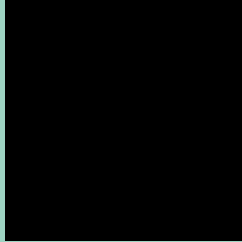
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 46.9365, 57.6517, 59.6930

## Background



This preview shows how black text looks on a background with the XYZ color 46.9365, 57.6517, 59.6930.



This preview shows how white text looks on a background with the XYZ color 46.9365, 57.6517,



# 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

46.9365, 57.6517, 59.6930

### Protanopia

54.6173, 57.0978, 55.1561

### Deuteranopia

58.4764, 57.2772, 61.3996



## Tritanopia

50.7364, 57.7399, 78.2829

# Trichromacy



## Original Color

46.9365, 57.6517, 59.6930

## Protanomaly

51.3892, 57.1209, 57.0321

## Deuteranomaly

53.4973, 57.0755, 61.0204

## Tritanomaly

49.1375, 57.4423, 70.7850

# Monochromacy



## Original Color

46.9365, 57.6517, 59.6930

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

49.1023, 54.8621, 58.4536

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9365, 57.6517, 59.6930 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(157, 211, 194)` looks like.

```
.text, #text, p{  
    color:rgb(157, 211, 194)  
}
```

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(157, 211, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 211, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9365, 57.6517, 59.6930 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(157, 211, 194) }
```



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

```
.border{ border-color:rgb(157, 211, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 211, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 211, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 211, 194);  
box-shadow:4px 4px 4px 4px rgb(157, 211,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9365, 57.6517, 59.6930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 211, 194) }
```

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

```
.background{ background-color: rgb(157,  
211, 194) }
```

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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