

# Converting Colors

XYZ(47.5658, 59.3401, 66.8251)

Have a look what the booklet for  
XYZ(47.5658, 59.3401, 66.8251)  
contains.

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# Color

**XYZ(47.5326, 59.3046,  
66.6993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94D7CD
RGB	148, 215, 205
RGB Percent	58%, 84%, 80%
CMY	0.4196, 0.1568, 0.1961
CMYK	0.31, 0.00, 0.05, 0.16
HSL	171°, 46%, 71%
HSV	171°, 31%, 84%
XYZ	47.5326, 59.3046, 66.6993
YIQ	193.8270, -36.7220, -17.3140

# Conversions

## Conversions Part 2

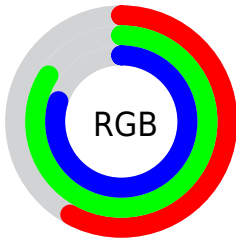
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	148, 184, 215
Decimal	9754573
CIE Lab	81.46, -23.21, -1.82
CIE LCh	81, 23.277, 184.496
Yxy	59.3046, 0.2739, 0.3417
Android (android.graphics.Color)	4287944653 (0xFF94D7CD)
YUV	193.8270, 5.5083, -40.1903
Hunter-Lab	77.0095, -24.5909, 2.5545

# Details

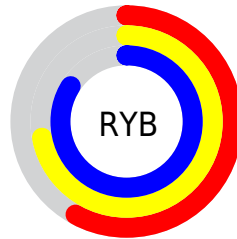
The XYZ color **47.5326, 59.3046, 66.6993** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7878, 38.0970, 37.3429**, and the grayscale version is **51.1613, 53.8256, 58.6161**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **22.7728, 29.7557, 33.8213** is the 20% darker color. If you saturate the color by 10%, you get **43.6159, 57.3313, 64.5152**, and if you desaturate by 10%, it is **52.1830, 61.6582, 68.9618**.

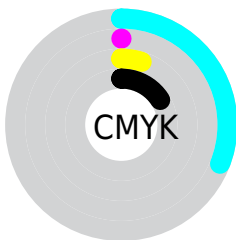
# Distribution



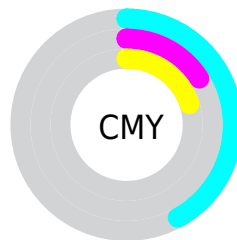
- Red (58%)
- Green (84%)
- Blue (80%)



- Red (58%)
- Yellow (72%)
- Blue (84%)



- Cyan (31%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)




- Cyan (42%)
- Magenta (16%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5326, 59.3046, 66.6993 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 47.5326, 59.3046, 66.6993 by changing the saturation by 10% instead.





 47.5326, 59.3046,  
66.6993


 47.5326, 59.3046,  
66.6993


367.5500,  
422.0298, 467.3460

 33.6666, 42.8584,  
48.3802


 85.7220, 103.8202,  
116.1260

 22.7993, 29.7740,  
33.7660

 110.7761,  
132.6584, 148.0707

 14.5652, 19.6671,  
22.4380


140.2903,  
166.3961, 185.3944

 8.5992, 12.1533,  
13.9777

174.6299,  
205.4176, 228.5155

 4.5357, 6.8482,  
7.9666

214.1604,  
250.1073, 277.8527

 2.0094, 3.3673,  
3.9861

259.2469,

 0.6392, 1.3264,

300.8496, 333.8245

1.6177

310.2550,  
358.0290, 396.8494

■ 0.0000, 0.1615,  
0.3034

■ 0.0000, 0.0000,  
0.0000

■ 47.5326, 59.3046,  
66.6993

■ 47.5326, 59.3046,  
66.6993

■ 43.6159, 57.3313,  
64.5152

■ 52.1830, 61.6582,  
68.9618

■ 40.3877, 55.7105,  
62.4032

■ 57.5989, 64.4041,  
71.3006

■ 37.8056, 54.4219,  
60.3626

■ 63.8167, 67.5624,  
73.7189

■ 35.8206, 53.4402,  
58.3906

■ 70.8686, 71.1497,  
76.2185

■ 34.3763, 52.7363,  
56.4844

■ 78.5994, 75.0862,  
78.7923

■ 33.4057, 52.2757,  
54.6407

■ 79.0314, 75.2590,  
81.0672

■ 32.8390, 52.0180,  
53.0583

■ 79.4716, 75.4351,  
83.3855

■ 79.9201, 75.6145,  
85.7472

■ 80.3769, 75.7972,  
88.1528

# Harmonies

## Analogous

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



48.3262, 59.3046, 53.6938



47.5326, 59.3046, 66.6993



48.9921, 59.3046, 80.9942

# Triad

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



47.5326, 59.3046, 66.6993



61.8422, 59.3046, 89.3100



60.4987, 59.3046, 43.2545

# Complementary

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



47.5326, 59.3046, 66.6993



44.7878, 38.0970, 37.3429

# 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.



64.4477, 59.3046, 50.5357



47.5326, 59.3046, 66.6993



65.2542, 59.3046, 76.8298

# Square

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



47.5326, 59.3046, 66.6993



57.1050, 59.3046, 95.1895



66.2339, 59.3046, 62.4916



55.6359, 59.3046, 41.3447



# Rectangle

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



47.5326, 59.3046, 66.6993



51.0988, 59.3046, 88.9745



66.2339, 59.3046, 62.4916



61.9859, 59.3046, 45.0978

# Sweetspot

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



47.5343, 59.3070, 66.7007



86.5581, 95.6855, 105.6488



43.7579, 58.0157, 36.9098



18.2531, 20.3416, 22.5027



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.



47.5343, 59.3070, 66.7007



66.2519, 85.4065, 96.1454



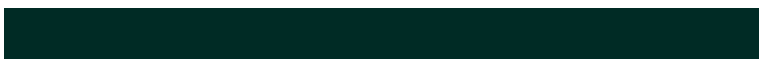
43.2312, 48.7061, 71.4155



12.7088, 14.0745, 15.5469



19.6720, 31.1241, 31.8980



1.2087, 1.8861, 2.0406



# Inverse Universe

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



44.7878, 38.0970, 37.3429



61.6357, 49.7123, 46.7682



48.0197, 45.8832, 34.3434



12.4981, 12.4507, 13.2970



16.9429, 8.7135, 1.7375



1.0465, 0.5354, 0.2340



# Previews

## White Background



This preview shows how the XYZ color 47.5326, 59.3046, 66.6993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

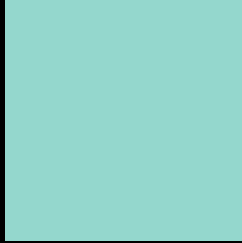
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5326, 59.3046, 66.6993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

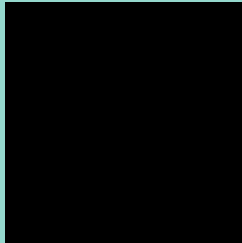
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.5326, 59.3046, 66.6993**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5326, 59.3046, 66.6993.



This preview shows how white text looks on a background with the XYZ color 47.5326, 59.3046,



# 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

47.5326, 59.3046, 66.6993

### Protanopia

56.4183, 58.9263, 61.2237

### Deuteranopia

59.9372, 58.5391, 68.4617



## Tritanopia

50.4347, 58.9623, 82.1215

# Trichromacy



## Original Color

47.5326, 59.3046, 66.6993

## Protanomaly

52.5042, 58.6270, 63.1925

## Deuteranomaly

54.4980, 58.1326, 68.0229

## Tritanomaly

49.2242, 58.8336, 76.4718

# Monochromacy



## Original Color

47.5326, 59.3046, 66.6993

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

49.4450, 55.6654, 61.5645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5326, 59.3046, 66.6993 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(148, 215, 205)` looks like.

```
.text, #text, p{  
    color:rgb(148, 215, 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(148, 215, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 215, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5326, 59.3046, 66.6993 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(148, 215, 205) }
```



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

```
.border{ border-color:rgb(148, 215, 205) }
```

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

Here you see how a box with a 4 pixel rgb(148, 215, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 215, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 215, 205);  
box-shadow:4px 4px 4px 4px rgb(148, 215,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5326, 59.3046, 66.6993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 215, 205) }
```

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

```
.background{ background-color: rgb(148,  
215, 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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