

# Converting Colors

XYZ(45.7346, 55.3798, 60.8497)

Have a look what the booklet for  
XYZ(45.7346, 55.3798, 60.8497)  
contains.

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# Color

**XYZ(45.9084, 55.6254,  
61.1405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BCFC5
RGB	155, 207, 197
RGB Percent	61%, 81%, 77%
CMY	0.3921, 0.1882, 0.2274
CMYK	0.25, 0.00, 0.05, 0.19
HSL	168°, 35%, 71%
HSV	168°, 25%, 81%
XYZ	45.9084, 55.6254, 61.1405
YIQ	190.3120, -27.7820, -14.1340

# Conversions

## Conversions Part 2

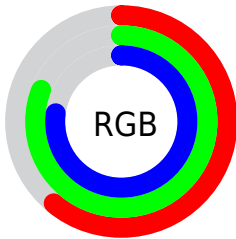
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 184, 207
Decimal	10211269
CIELab	79.40, -18.90, -0.52
CIELCh	79, 18.912, 181.569
Yxy	55.6254, 0.2822, 0.3419
Android (android.graphics.Color)	4288401349 (0xFF9BCFC5)
YUV	190.3120, 3.2972, -30.9686
Hunter-Lab	74.5824, -20.6456, 3.6035

# Details

The XYZ color **45.9084, 55.6254, 61.1405** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2469, 39.4261, 40.8774**, and the grayscale version is **49.1177, 51.6756, 56.2747**.

A 20% lighter version of the original color is **80.2277, 92.3774, 107.3681**, and **21.8286, 27.5904, 30.1616** is the 20% darker color. If you saturate the color by 10%, you get **41.8213, 53.5719, 58.5999**, and if you desaturate by 10%, it is **50.6917, 58.0393, 63.7790**.

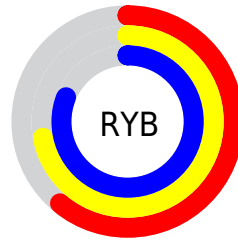
# Distribution



Red (61%)

Green (81%)

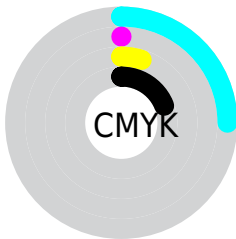
Blue (77%)



Red (61%)

Yellow (72%)

Blue (81%)

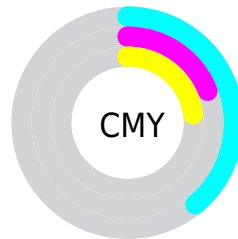


Cyan (25%)

Magenta (0%)

Yellow (5%)

Black (19%)



Cyan (39%)

Magenta (19%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9084, 55.6254, 61.1405 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 45.9084, 55.6254, 61.1405 by changing the saturation by 10% instead.





 45.9084, 55.6254,  
61.1405


 45.9084, 55.6254,  
61.1405


361.1624,  
408.2783, 446.7098

 32.3779, 39.9027,  
43.9073


 83.3106, 98.4567,  
108.0419

 21.8072, 27.4627,  
30.2610


 107.9130,  
126.3340, 138.5471

 13.8311, 17.9210,  
19.7830


136.9367,  
159.0316, 174.3133

 8.0842, 10.8933,  
12.0549

170.7470,  
196.9339, 215.7592

 4.2011, 5.9951,  
6.6581

209.7094,  
240.4254, 263.3033

 1.8165, 2.8421,  
3.1740

254.1892,

 0.5276, 1.0499,

289.8903, 317.3640

1.1842

304.5517,  
345.7131, 378.3600

■ 0.0000, 0.0000,  
0.0000

■ 45.9084, 55.6254,  
61.1405

■ 45.9084, 55.6254,  
61.1405

■ 41.8213, 53.5719,  
58.5999

■ 50.6917, 58.0393,  
63.7790

■ 38.3909, 51.8541,  
56.1513

■ 56.1989, 60.8236,  
66.5135

■ 35.5809, 50.4548,  
53.7936

■ 62.4618, 63.9960,  
69.3473

■ 33.3494, 49.3523,  
51.5245

■ 69.5090, 67.5713,  
72.2822

■ 31.6495, 48.5225,  
49.3413

■ 76.0665, 70.8927,  
75.2588

■ 30.4265, 47.9373,  
47.2409

■ 76.5905, 71.1023,  
78.0184

■ 29.6138, 47.5622,  
45.2196

■ 77.1272, 71.3170,  
80.8442

■ 29.3062, 47.4246,  
44.2592

■ 77.6764, 71.5367,  
83.7367

■ 78.2385, 71.7615,  
86.6964

# Harmonies

## Analogous

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



46.7113, 55.6254, 51.1547



45.9084, 55.6254, 61.1405



46.8955, 55.6254, 72.1755

# Triad

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



45.9084, 55.6254, 61.1405



56.7819, 55.6254, 80.1670



56.4199, 55.6254, 43.9897

# Complementary

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



45.9084, 55.6254, 61.1405



44.2469, 39.4261, 40.8774

# 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.



59.3322, 55.6254, 50.2745



45.9084, 55.6254, 61.1405



59.5481, 55.6254, 71.0674

# Square

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



45.9084, 55.6254, 61.1405



53.0703, 55.6254, 83.9425



60.5026, 55.6254, 59.9963



52.6708, 55.6254, 41.9912



# Rectangle

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



45.9084, 55.6254, 61.1405



48.4645, 55.6254, 78.4505



60.5026, 55.6254, 59.9963



57.5353, 55.6254, 45.6308

# Sweetspot

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



45.9100, 55.6277, 61.1418



87.3136, 96.0840, 105.2738



43.8313, 55.0368, 39.3242



18.3962, 20.4180, 22.3895



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

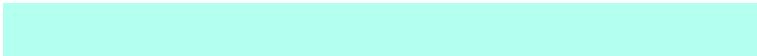


# Same Dimension

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



45.9100, 55.6277, 61.1418



70.0057, 87.3525, 95.8315



43.4999, 48.9118, 66.1823



12.0568, 13.3665, 14.6555



18.4969, 29.8917, 28.0604



1.0599, 1.6816, 1.7041



# Inverse Universe

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



44.2469, 39.4261, 40.8774



66.9097, 57.1600, 58.0842



46.1378, 44.6085, 37.1898



11.9003, 11.8449, 12.7510



16.4782, 8.4641, 2.1584

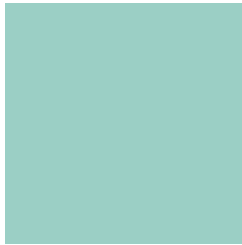


0.9495, 0.4845, 0.2688



# Previews

## White Background



This preview shows how the XYZ color 45.9084, 55.6254, 61.1405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

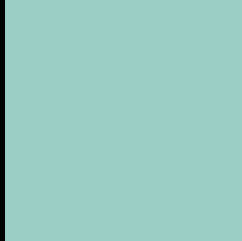
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9084, 55.6254, 61.1405 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

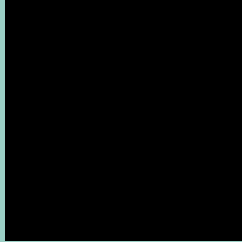
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

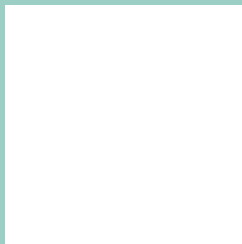
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.9084, 55.6254, 61.1405**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9084, 55.6254, 61.1405.



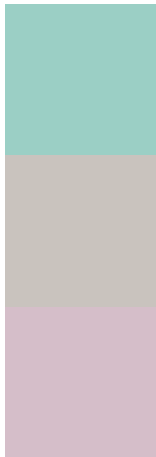
This preview shows how white text looks on a background with the XYZ color 45.9084, 55.6254,



# 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

45.9084, 55.6254, 61.1405

### Protanopia

52.8968, 55.1654, 56.5752

### Deuteranopia

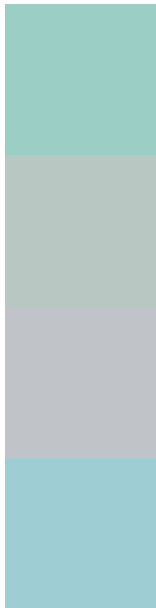
56.3966, 55.1901, 62.9387



## **Tritanopia**

49.0083, 55.8266, 75.9027

# Trichromacy



## Original Color

45.9084, 55.6254, 61.1405

## Protanomaly

49.8162, 54.8875, 58.4208

## Deuteranomaly

51.9035, 54.8565, 62.4963

## Tritanomaly

47.8155, 55.6852, 70.5155

# Monochromacy



## Original Color

45.9084, 55.6254, 61.1405

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.4970, 52.6772, 58.1164

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9084, 55.6254, 61.1405 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(155, 207, 197)` looks like.

```
.text, #text, p{  
    color:rgb(155, 207, 197)  
}
```

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(155, 207, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 207, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9084, 55.6254, 61.1405 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(155, 207, 197) }
```



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

```
.border{ border-color:rgb(155, 207, 197) }
```

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

Here you see how a box with a 4 pixel rgb(155, 207, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 207, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 207, 197);  
box-shadow:4px 4px 4px 4px rgb(155, 207,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9084, 55.6254, 61.1405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 207, 197) }
```

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

```
.background{ background-color: rgb(155,  
207, 197) }
```

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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