

# Converting Colors

XYZ(59.6917, 80.8882, 75.2493)

Have a look what the booklet for  
XYZ(59.6917, 80.8882, 75.2493)  
contains.

<b>XYZ(59.7695, 81.1003, 75.4545)</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(59.7695, 81.1003,  
75.4545)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98FCD5
RGB	152, 252, 213
RGB Percent	60%, 99%, 84%
CMY	0.4039, 0.0117, 0.1647
CMYK	0.40, 0.00, 0.15, 0.01
HSL	157°, 94%, 79%
HSV	157°, 40%, 99%
XYZ	59.7695, 81.1003, 75.4545
YIQ	217.6540, -47.0810, -33.3290

# Conversions

## Conversions Part 2

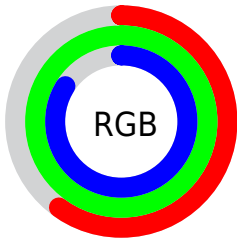
Format	Color
<a href="#">RYB</a>	<a href="#">152, 214, 252</a>
Decimal	<a href="#">10026197</a>
CIELab	<a href="#">92.18, -37.91, 9.53</a>
CIELCh	<a href="#">92, 39.087, 165.896</a>
Yxy	<a href="#">81.1003, 0.2763, 0.3749</a>
Android (android.graphics.Color)	<a href="#">4288216277 (0xFF98FCD5)</a>
YUV	<a href="#">217.6540, -2.2944, -57.5786</a>
Hunter-Lab	<a href="#">90.0557, -39.1280, 13.3620</a>

# Details

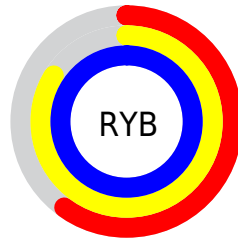
The XYZ color **59.7695, 81.1003, 75.4545** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.7798, 46.9155, 55.1454**, and the grayscale version is **66.4426, 69.9028, 76.1241**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **30.4060, 43.9317, 39.2249** is the 20% darker color. If you saturate the color by 10%, you get **54.3350, 78.4407, 68.8851**, and if you desaturate by 10%, it is **66.2861, 84.3133, 82.4728**.

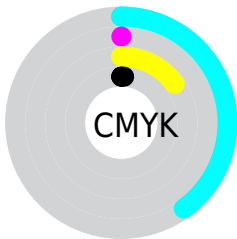
# Distribution



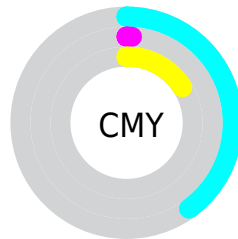
- Red (60%)
- Green (99%)
- Blue (84%)



- Red (60%)
- Yellow (84%)
- Blue (99%)



- Cyan (40%)
- Magenta (0%)
- Yellow (15%)
- Black (1%)




- Cyan (40%)
- Magenta (1%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7695, 81.1003, 75.4545 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 59.7695, 81.1003, 75.4545 by changing the saturation by 10% instead.





 59.7695, 81.1003,  
75.4545


 59.7695, 81.1003,  
75.4545


413.5960,  
498.6332, 498.7753

 43.4816, 60.6242,  
55.4813


 103.6035,  
134.9116, 128.7085

 30.4593, 43.9220,  
39.3860


 131.8803,  
169.0156, 162.8265

 20.3373, 30.6092,  
26.7500


164.8841,  
208.4310, 202.4964

 12.7502, 20.3014,  
17.1548

202.9803,  
253.5422, 248.1370

 7.3325, 12.6143,  
10.1818

246.5342,  
304.7337, 300.1666

 3.7191, 7.1635,  
5.4125


295.9113,


 1.5445, 3.5646,


362.3897, 359.0038


2.4283


351.4767,  
426.8948, 425.0672


 0.3558, 1.4331,  
0.8018


 0.0000, 0.2409,  
0.0000


 59.7695, 81.1003,  
75.4545


 59.7695, 81.1003,  
75.4545


 54.3350, 78.4407,  
68.8851


 66.2861, 84.3133,  
82.4728


 49.9105, 76.2910,  
62.7490

 73.9377, 88.1004,  
89.9440

 46.4254, 74.6172,  
57.0375

 82.7817, 92.4932,  
97.8791

 43.7968, 73.3766,  
51.7395

 92.8696, 97.5181,  
106.2869

■ 41.9260, 72.5186,  
46.8428

■ 94.1019, 98.1037,  
108.5840

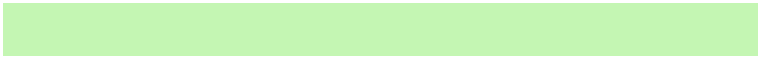
■ 40.6571, 71.9630,  
42.3323

■ 40.6211, 71.9475,  
42.1952

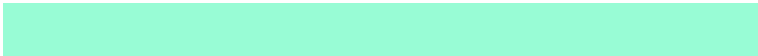
# Harmonies

## Analogous

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



63.9843, 81.1003, 55.0272



59.7695, 81.1003, 75.4545



59.9020, 81.1003, 104.3998

# Triad

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



59.7695, 81.1003, 75.4545



82.5157, 81.1003, 153.1853



91.3774, 81.1003, 54.1365

# Complementary

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



59.7695, 81.1003, 75.4545



60.7798, 46.9155, 55.1454

# 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.



97.2711, 81.1003, 73.9547



59.7695, 81.1003, 75.4545



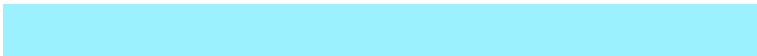
91.8583, 81.1003, 132.8530

# Square

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



59.7695, 81.1003, 75.4545



72.4553, 81.1003, 153.8349



97.4544, 81.1003, 102.5362

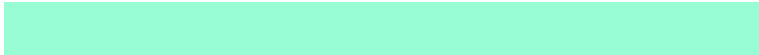


81.9045, 81.1003, 44.6624



# Rectangle

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



59.7695, 81.1003, 75.4545



62.4218, 81.1003, 125.0191



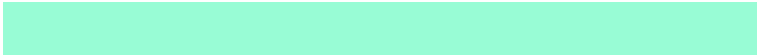
97.4544, 81.1003, 102.5362



93.8778, 81.1003, 59.5892

# Sweetspot

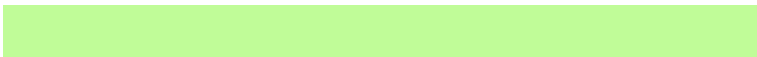
The Sweet Spot groups the original color and five complimentary colors.



59.7717, 81.1036, 75.4563



82.8121, 93.9063, 98.6069



62.2187, 83.0977, 42.4671



17.4640, 19.9700, 20.8752



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.



59.7717, 81.1036, 75.4563



56.6643, 80.9919, 71.8458



62.2743, 77.2111, 103.7204



17.4622, 19.4872, 20.6348



21.2336, 37.5064, 22.3712



2.0186, 3.4945, 2.3457



# Inverse Universe

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



60.7798, 46.9155, 55.1454



57.8456, 41.2348, 48.2713



58.7351, 48.8051, 36.0315



17.5249, 17.3373, 19.3538



22.1344, 11.2695, 7.4162

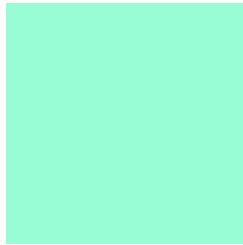


2.1003, 1.0639, 0.9517



# Previews

## White Background



This preview shows how the XYZ color 59.7695, 81.1003, 75.4545 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

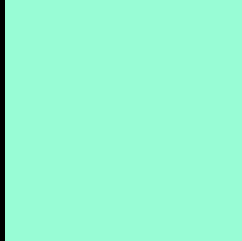
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.7695, 81.1003, 75.4545 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

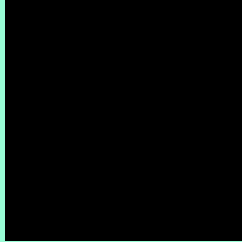
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.7695, 81.1003, 75.4545

## Background



This preview shows how black text looks on a background with the XYZ color 59.7695, 81.1003, 75.4545.



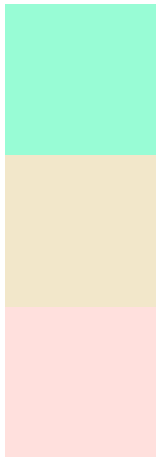
This preview shows how white text looks on a background with the XYZ color 59.7695, 81.1003,

75.4545.

# 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

59.7695, 81.1003, 75.4545

### Protanopia

75.8545, 80.2933, 67.3773

### Deuteranopia

80.9468, 79.7918, 79.5416



## Tritanopia

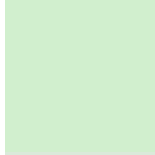
70.2443, 80.8220, 106.5057

# Trichromacy



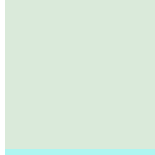
## Original Color

59.7695, 81.1003, 75.4545



## Protanomaly

68.3016, 79.7445, 70.1849



## Deuteranomaly

70.9911, 78.8130, 77.8005



## Tritanomaly

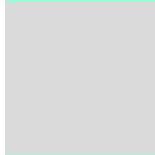
66.0598, 80.7100, 94.5350

# Monochromacy



## Original Color

59.7695, 81.1003, 75.4545



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

62.9396, 73.0208, 75.7429

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.7695, 81.1003, 75.4545 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(152, 252, 213)` looks like.

```
.text, #text, p{  
    color:rgb(152, 252, 213)  
}
```

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(152, 252, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 252, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 59.7695, 81.1003, 75.4545 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(152, 252, 213) }
```



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

```
.border{ border-color:rgb(152, 252, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 252, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 252, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 252, 213);  
box-shadow:4px 4px 4px 4px rgb(152, 252,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.7695, 81.1003, 75.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 252, 213) }
```

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

```
.background{ background-color: rgb(152,  
252, 213) }
```

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