

# Converting Colors

XYZ(62.6976, 100.0000,  
85.4012)

Have a look what the booklet for  
XYZ(62.6976, 100.0000, 85.4012)  
contains.

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# Color

**XYZ(51.7689, 78.2498,  
81.4825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AFFDE
RGB	74, 255, 222
RGB Percent	29%, 100%, 87%
CMY	0.7098, 0.0000, 0.1294
CMYK	0.71, 0.00, 0.13, 0.00
HSL	169°, 100%, 65%
HSV	169°, 71%, 100%
XYZ	51.7689, 78.2498, 81.4825
YIQ	197.1190, -97.2830, -48.6350

# Conversions

## Conversions Part 2

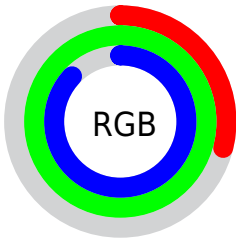
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 174, 255
Decimal	4915166
CIELab	90.89, -52.42, 2.72
CIELCh	91, 52.488, 177.028
Yxy	78.2498, 0.2448, 0.3700
Android (android.graphics.Color)	4283105246 (0xFF4AFFDE)
YUV	197.1190, 12.2663, -107.9754
Hunter-Lab	88.4589, -50.3394, 7.3072

# Details

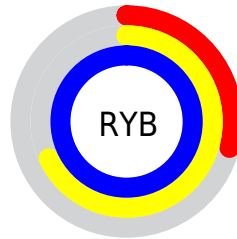
The XYZ color **51.7689, 78.2498, 81.4825** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.3436, 27.2205, 16.7234**, and the grayscale version is **53.1143, 55.8804, 60.8537**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **26.9413, 42.7225, 43.3855** is the 20% darker color. If you saturate the color by 10%, you get **49.5734, 77.1890, 78.1727**, and if you desaturate by 10%, it is **54.7784, 79.7282, 84.9228**.

# Distribution



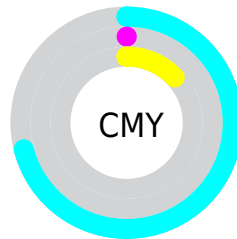
- Red (29%)
- Green (100%)
- Blue (87%)



- Red (29%)
- Yellow (68%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7689, 78.2498, 81.4825 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 51.7689, 78.2498, 81.4825 by changing the saturation by 10% instead.




 51.7689, 78.2498,  
81.4825


 51.7689, 78.2498,  
81.4825


383.8824,  
489.0148, 519.7530


 37.0444, 58.2792,  
60.4057


 91.9666, 130.9022,  
137.2782


 25.4157, 42.0332,  
43.3183


 118.1705,  
164.3528, 172.8342

 16.5174, 29.1273,  
29.8017


 148.9316,  
203.0655, 214.0538

 9.9842, 19.1771,  
19.4374

 184.6152,  
247.4248, 261.3554

 5.4507, 11.7983,  
11.8067

225.5868,  
297.8149, 315.1575

 2.5515, 6.6065,  
6.4913


272.2116,


 0.9213, 3.2173,


354.6204, 375.8788


3.0725


324.8550,  
418.2255, 443.9378


 0.0000, 1.2462,  
1.1318


 0.0000, 0.0989,  
0.0000


 51.7689, 78.2498,  
81.4825


 51.7689, 78.2498,  
81.4825


 49.5734, 77.1890,  
78.1727


 54.7784, 79.7282,  
84.9228

 48.0862, 76.4913,  
74.9837

 58.6850, 81.6672,  
88.4942

 47.2079, 76.0992,  
72.2037

 63.5646, 84.1056,  
92.2021

 69.4838, 87.0781,  
96.0506

■ 76.5038, 90.6159,  
100.0430

■ 84.6806, 94.7480,  
104.1827

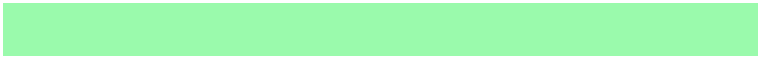
■ 94.0665, 99.5014,  
108.4728

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



55.0232, 78.2498, 51.4075



51.7689, 78.2498, 81.4825



53.9524, 78.2498, 122.7466

# Triad

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



51.7689, 78.2498, 81.4825



86.5329, 78.2498, 167.8855



89.0822, 78.2498, 37.5599

# Complementary

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



51.7689, 78.2498, 81.4825



46.3436, 27.2205, 16.7234

# 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.



99.3909, 78.2498, 56.2172



51.7689, 78.2498, 81.4825



97.8008, 78.2498, 131.2743

# Square

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



51.7689, 78.2498, 81.4825



73.0642, 78.2498, 180.5327



102.7547, 78.2498, 89.0304



75.6995, 78.2498, 31.2200



# Rectangle

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



51.7689, 78.2498, 81.4825



58.3591, 78.2498, 150.3335



102.7547, 78.2498, 89.0304



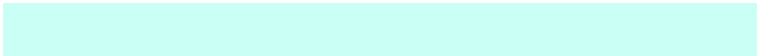
93.0798, 78.2498, 42.2659

# Sweetspot

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



51.7698, 78.2502, 81.4839



76.4862, 90.6070, 100.0335



43.0827, 75.1522, 18.7153



15.9322, 19.1722, 21.1722



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.



51.7698, 78.2502, 81.4839



48.8964, 76.8680, 76.8754



40.9972, 48.9211, 101.8897



18.4044, 20.4213, 22.4325



24.7185, 39.7840, 37.9984



2.4420, 3.8877, 3.8856



# Inverse Universe

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



46.3436, 27.2205, 16.7234



43.3080, 23.2090, 9.3613



50.6361, 38.0740, 11.1604



18.1446, 18.0411, 19.3786



21.8502, 11.2294, 2.5957

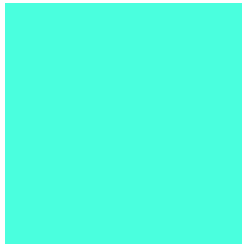


2.1622, 1.1073, 0.4356



# Previews

## White Background



This preview shows how the XYZ color 51.7689, 78.2498, 81.4825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

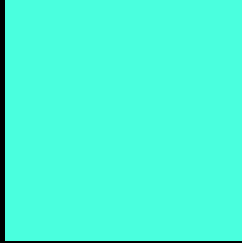
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7689, 78.2498, 81.4825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

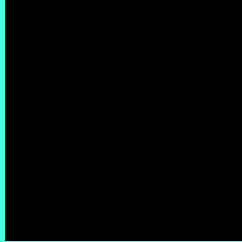
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.7689, 78.2498, 81.4825

## Background



This preview shows how black text looks on a background with the XYZ color 51.7689, 78.2498, 81.4825.



This preview shows how white text looks on a background with the XYZ color 51.7689, 78.2498,



# 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

51.7689, 78.2498, 81.4825

### Protanopia

72.9290, 76.6818, 69.3498

### Deuteranopia

78.2339, 76.6737, 85.5390



## Tritanopia

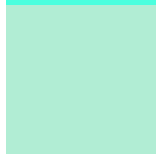
63.6058, 77.3997, 106.1950

# Trichromacy



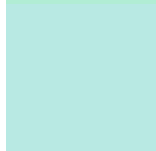
## Original Color

51.7689, 78.2498, 81.4825



## Protanomaly

60.2993, 74.6690, 73.5218



## Deuteranomaly

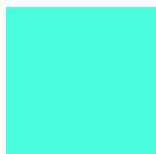
62.7712, 74.0142, 83.6508



## Tritanomaly

57.8858, 76.8946, 96.5853

# Monochromacy



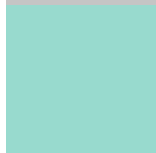
## Original Color

51.7689, 78.2498, 81.4825



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

49.1609, 61.2744, 67.6286

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7689, 78.2498, 81.4825 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(74, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 222)  
}
```

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(74, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7689, 78.2498, 81.4825 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(74, 255, 222) }
```



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

```
.border{ border-color:rgb(74, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7689, 78.2498, 81.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 222) }
```

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

```
.background{ background-color: rgb(74, 255,  
222) }
```

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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