

# Converting Colors

XYZ(52.6618, 73.8181, 78.4772)

Have a look what the booklet for  
XYZ(52.6618, 73.8181, 78.4772)  
contains.

<b>XYZ(52.6081, 73.6674, 78.4643)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(52.6081, 73.6674,  
78.4643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76F4DB
RGB	118, 244, 219
RGB Percent	46%, 96%, 86%
CMY	0.5372, 0.0431, 0.1412
CMYK	0.52, 0.00, 0.10, 0.04
HSL	168°, 85%, 71%
HSV	168°, 52%, 96%
XYZ	52.6081, 73.6674, 78.4643
YIQ	203.4760, -67.0710, -34.4870

# Conversions

## Conversions Part 2

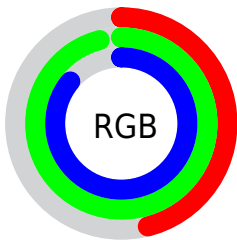
Format	Color
<a href="#">RYB</a>	<a href="#">118, 188, 244</a>
Decimal	<a href="#">7795931</a>
CIELab	<a href="#">88.77, -41.05, 1.32</a>
CIELCh	<a href="#">89, 41.068, 178.157</a>
Yxy	<a href="#">73.6674, 0.2570, 0.3598</a>
Android (android.graphics.Color)	<a href="#">4285986011</a> ( <a href="#">0xFF76F4DB</a> )
YUV	<a href="#">203.4760, 7.6533, -74.9625</a>
Hunter-Lab	<a href="#">85.8297, -40.7930, 5.8787</a>

# Details

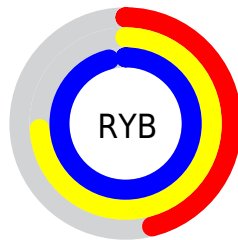
The XYZ color **52.6081, 73.6674, 78.4643** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.7471, 34.1752, 30.0166**, and the grayscale version is **57.0495, 60.0205, 65.3623**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **25.8873, 38.9510, 41.2759** is the 20% darker color. If you saturate the color by 10%, you get **49.0856, 71.9259, 75.0215**, and if you desaturate by 10%, it is **57.0102, 75.8639, 82.0483**.

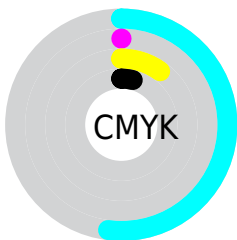
# Distribution



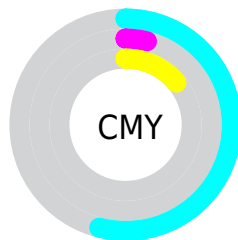
- Red (46%)
- Green (96%)
- Blue (86%)



- Red (46%)
- Yellow (74%)
- Blue (96%)



- Cyan (52%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)




- Cyan (54%)
- Magenta (4%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6081, 73.6674, 78.4643 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 52.6081, 73.6674, 78.4643 by changing the saturation by 10% instead.





 52.6081, 73.6674,  
78.4643


 52.6081, 73.6674,  
78.4643


387.0653,  
473.3247, 509.3119


 37.7162, 54.5219,  
57.9368


 93.1964, 124.4242,  
132.9963

 25.9387, 39.0190,  
41.3434


 119.6235,  
156.8043, 167.8377

 16.9103, 26.7745,  
28.2658


 150.6264,  
194.3646, 208.2876

 10.2654, 17.4040,  
18.2853

186.5704,  
237.4897, 254.7644

 5.6389, 10.5229,  
10.9835

227.8210,  
286.5638, 307.6867

 2.6653, 5.7470,  
5.9417

274.7434,

 0.9794, 2.6919,

341.9714, 367.4730

2.7414

327.7031,  
404.0969, 434.5419

■ 0.0000, 0.9731,  
0.9642

■ 0.0000, 0.0000,  
0.0000

■ 52.6081, 73.6674,  
78.4643

■ 52.6081, 73.6674,  
78.4643

■ 49.0856, 71.9259,  
75.0215

■ 57.0102, 75.8639,  
82.0483

■ 46.3687, 70.5958,  
71.7108


■ 62.3462, 78.5378,  
85.7720


■ 44.3818, 69.6398,  
68.5294


■ 68.6731, 81.7203,  
89.6404


■ 43.0313, 69.0099,  
65.4721


■ 76.0416, 85.4377,  
93.6568

 42.2686, 68.6705,  
63.0047

 84.4990, 89.7141,  
97.8241

 90.5434, 92.7444,  
101.9792

 91.3048, 93.0490,  
105.9885

 91.6419, 93.1839,  
107.7640

# Harmonies

## Analogous

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



55.0119, 73.6674, 54.6701



52.6081, 73.6674, 78.4643



54.4903, 73.6674, 108.8974

# Triad

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



52.6081, 73.6674, 78.4643



79.4257, 73.6674, 138.7628



80.5889, 73.6674, 42.1335

# Complementary

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



52.6081, 73.6674, 78.4643



48.7471, 34.1752, 30.0166

# 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.



88.2479, 73.6674, 57.0649



52.6081, 73.6674, 78.4643



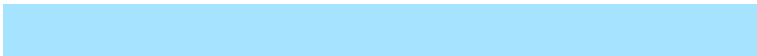
87.5329, 73.6674, 112.6775

# Square

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



52.6081, 73.6674, 78.4643



69.4060, 73.6674, 148.2611



90.9003, 73.6674, 81.9840



70.6349, 73.6674, 37.0138



# Rectangle

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



52.6081, 73.6674, 78.4643



58.0324, 73.6674, 128.2625



90.9003, 73.6674, 81.9840



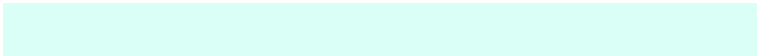
83.5512, 73.6674, 45.9670

# Sweetspot

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



52.6102, 73.6703, 78.4660



81.1529, 92.9742, 101.9963



46.9854, 71.8699, 28.5369



16.9989, 19.7130, 21.6302



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.



52.6102, 73.6703, 78.4660



54.0832, 79.4175, 82.7353



45.9221, 54.6248, 93.7145



16.8475, 18.6981, 20.4813



23.0323, 37.3577, 34.5194



2.0594, 3.2974, 3.2185



# Inverse Universe

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



48.7471, 34.1752, 30.0166



49.4197, 31.3566, 23.9638



52.4356, 44.2533, 22.9191



16.6335, 16.5363, 17.8168



20.6191, 10.5911, 2.7027

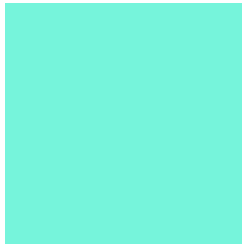


1.8471, 0.9448, 0.4213



# Previews

## White Background



This preview shows how the XYZ color 52.6081, 73.6674, 78.4643 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

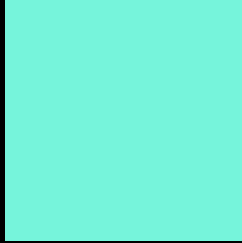
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6081, 73.6674, 78.4643 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

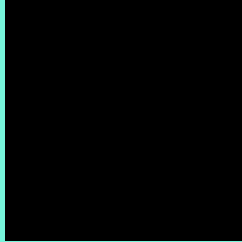
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

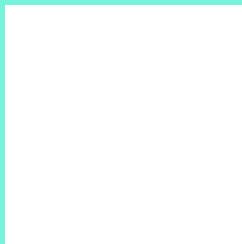
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.6081, 73.6674, 78.4643**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6081, 73.6674, 78.4643.



This preview shows how white text looks on a background with the XYZ color 52.6081, 73.6674,



# 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

52.6081, 73.6674, 78.4643

### Protanopia

69.3101, 72.8271, 68.7965

### Deuteranopia

73.9128, 72.2301, 81.2804



## Tritanopia

59.1494, 73.3638, 105.6509

# Trichromacy



## Original Color

52.6081, 73.6674, 78.4643



## Protanomaly

60.7634, 71.5606, 72.2380



## Deuteranomaly

63.0094, 70.9139, 80.1788



## Tritanomaly

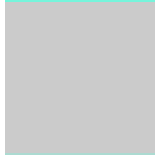
56.7028, 73.6365, 95.2291

# Monochromacy



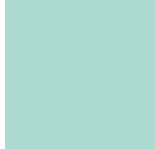
## Original Color

52.6081, 73.6674, 78.4643



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

53.5933, 63.5169, 69.7569

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6081, 73.6674, 78.4643 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(118, 244, 219)` looks like.

```
.text, #text, p{  
    color:rgb(118, 244, 219)  
}
```

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(118, 244, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 244, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6081, 73.6674, 78.4643 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(118, 244, 219) }
```



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

```
.border{ border-color:rgb(118, 244, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 244, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 244, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 244, 219);  
box-shadow:4px 4px 4px 4px rgb(118, 244,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6081, 73.6674, 78.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 244, 219) }
```

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

```
.background{ background-color: rgb(118,  
244, 219) }
```

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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