

# Converting Colors

XYZ(80.0416, 100.0000,  
76.6158)

Have a look what the booklet for  
XYZ(80.0416, 100.0000, 76.6158)  
contains.

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# Color

**XYZ(75.2494, 90.5193,  
75.1339)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D6FFD3
RGB	214, 255, 211
RGB Percent	84%, 100%, 83%
CMY	0.1608, 0.0000, 0.1725
CMYK	0.16, 0.00, 0.17, 0.00
HSL	116°, 100%, 91%
HSV	116°, 17%, 100%
XYZ	75.2494, 90.5193, 75.1339
YIQ	237.7250, -10.3120, -22.3760

# Conversions

## Conversions Part 2

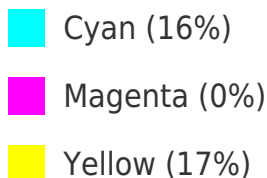
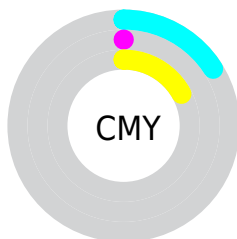
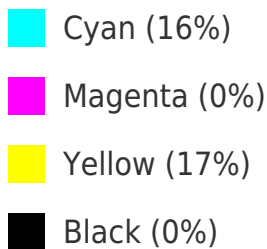
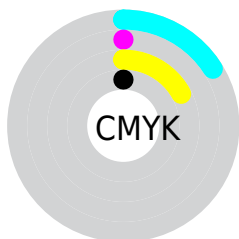
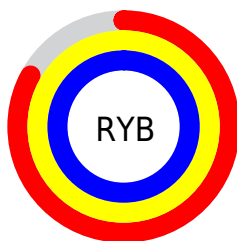
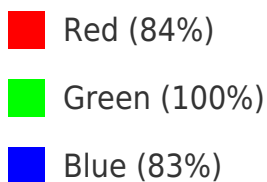
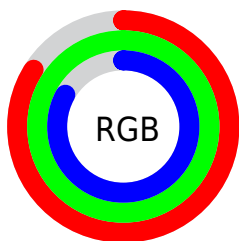
Format	Color
<a href="#">RYB</a>	<a href="#">211, 255, 252</a>
Decimal	<a href="#">14090195</a>
CIELab	<a href="#">96.21, -21.12, 16.73</a>
CIELCh	<a href="#">96, 26.947, 141.612</a>
Yxy	<a href="#">90.5193, 0.3124, 0.3758</a>
Android (android.graphics.Color)	<a href="#">4292280275</a> (0xFFD6FFD3)
YUV	<a href="#">237.7250, -13.1754, -20.8068</a>
Hunter-Lab	<a href="#">95.1416, -25.3187, 19.7775</a>

# Details

The XYZ color **75.2494, 90.5193, 75.1339** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.4900, 74.5052, 104.6937**, and the grayscale version is **81.1592, 85.3858, 92.9851**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4929, 50.1594, 39.0000** is the 20% darker color. If you saturate the color by 10%, you get **65.8651, 86.0220, 59.3098**, and if you desaturate by 10%, it is **86.1538, 95.7415, 93.6790**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2494, 90.5193, 75.1339 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 75.2494, 90.5193, 75.1339 by changing the saturation by 10% instead.




 75.2494, 90.5193,  
75.1339

 75.2494, 90.5193,  
75.1339


467.7583,  
529.7187, 497.6454

 56.1121, 68.4114,  
55.2202

125.6514,  
148.0595, 128.2507

 40.5302, 50.2325,  
39.1783


157.6468,  
184.2606, 162.2909

 28.1382, 35.5982,  
26.5895


194.6589,  
225.9283, 201.8771

 18.5709, 24.1240,  
17.0355

237.0531,  
273.4469, 247.4276

 11.4628, 15.4257,  
10.0976

285.1949,  
327.2009, 299.3612

 6.4486, 9.1187,  
5.3572


339.4494,


 3.1629, 4.8187,


387.5746, 358.0963


2.3960


400.1821,  
454.9524, 424.0515


 1.2405, 2.1413,  
0.7843


 0.1380, 0.6877,  
0.0000

 75.2494, 90.5193,  
75.1339


 75.2494, 90.5193,  
75.1339


 65.8651, 86.0220,  
59.3098

 86.1538, 95.7415,  
93.6790

 57.9316, 82.2169,  
46.0748

95.0500, 100.0000,  
108.9000

 51.3768, 79.0696,  
35.2924

 46.1219, 76.5429,  
26.8120

■ 42.0801, 74.5955,  
20.4661

■ 39.1540, 73.1814,  
16.0651

■ 37.2310, 72.2474,  
13.3854

■ 36.1728, 71.7284,  
12.1395

■ 35.9981, 71.6427,  
11.9311

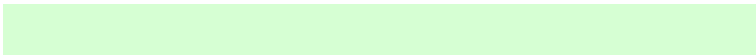
# Harmonies

## Analogous

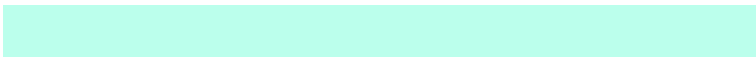
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8473, 90.5193, 65.0156



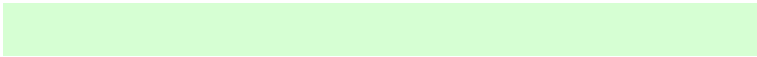
75.2494, 90.5193, 75.1339



72.5792, 90.5193, 92.6736

# Triad

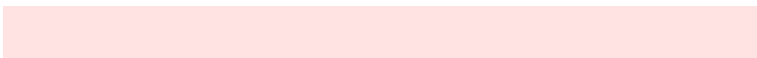
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2494, 90.5193, 75.1339



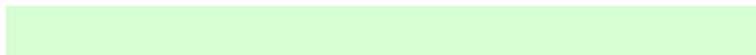
83.9552, 90.5193, 145.1755



100.1096, 90.5193, 84.1562

# Complementary

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



75.2494, 90.5193, 75.1339



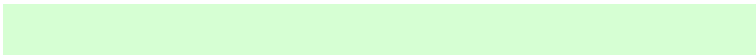
81.4900, 74.5052, 104.6937

# 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.



101.0608, 90.5193, 104.6908



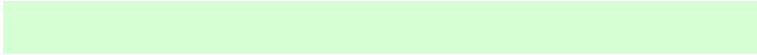
75.2494, 90.5193, 75.1339



91.4418, 90.5193, 142.0208

# Square

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



75.2494, 90.5193, 75.1339



77.4114, 90.5193, 134.4935



97.8068, 90.5193, 126.4104

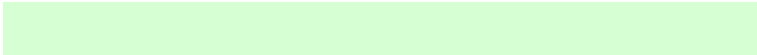


95.2783, 90.5193, 69.6753

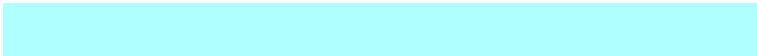


# Rectangle

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



75.2494, 90.5193, 75.1339



72.7047, 90.5193, 107.0843



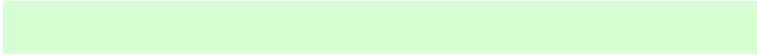
97.8068, 90.5193, 126.4104



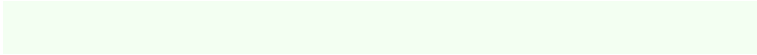
100.9045, 90.5193, 90.5008

# Sweetspot

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



75.2500, 90.5196, 75.1353



88.8279, 97.0217, 98.2467



87.5996, 95.1662, 75.3813



18.8325, 20.6803, 20.7207



0.0000, 0.0000, 0.0000

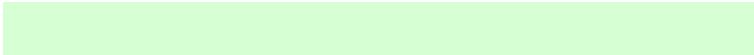


20.3446, 21.4041, 23.3091

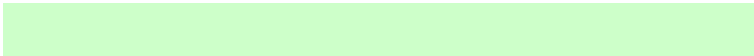


# Same Dimension

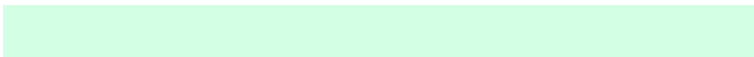
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2500, 90.5196, 75.1353



71.5602, 88.7517, 68.8955



76.8142, 91.0450, 87.8988



17.8862, 20.2272, 19.1059



18.8519, 37.4566, 6.2363



1.8737, 3.6667, 0.6090



# Inverse Universe

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



81.4900, 74.5052, 104.6937



78.9515, 69.7776, 103.9150



79.7723, 73.9446, 89.9346



18.6632, 18.2336, 22.7857



27.8406, 13.2628, 50.5272

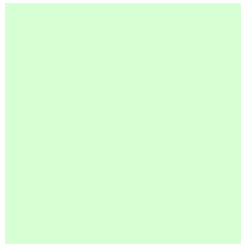


2.7460, 1.3095, 4.9213



# Previews

## White Background



This preview shows how the XYZ color 75.2494, 90.5193, 75.1339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

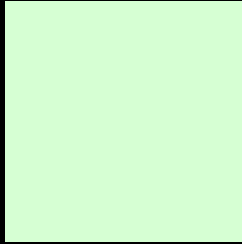
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2494, 90.5193, 75.1339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

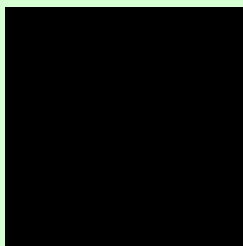
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

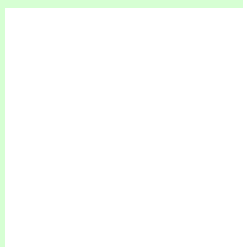
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.2494, 90.5193, 75.1339**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.2494, 90.5193, 75.1339.



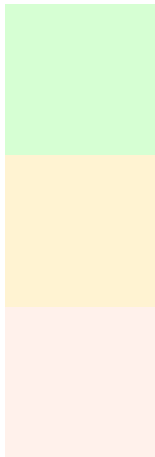
This preview shows how white text looks on a background with the XYZ color 75.2494, 90.5193,

75.1339.

# 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

75.2494, 90.5193, 75.1339

### Protanopia

84.9235, 90.0143, 73.8713

### Deuteranopia

87.6907, 90.1688, 91.3798



## Tritanopia

84.6341, 90.0172, 107.5221

# Trichromacy

	<b>Original Color</b> 75.2494, 90.5193, 75.1339
	<b>Protanomaly</b> 80.8288, 89.6999, 74.0265
	<b>Deuteranomaly</b> 82.6184, 89.9278, 84.9548
	<b>Tritanomaly</b> 81.1342, 90.3143, 94.8175

# Monochromacy

	<b>Original Color</b> 75.2494, 90.5193, 75.1339
	<b>Achromatopsia</b> 81.2670, 85.4993, 93.1087
	<b>Achromatomaly</b> 78.6674, 86.9608, 86.0377

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2494, 90.5193, 75.1339 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(214, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 211)  
}
```

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(214, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2494, 90.5193, 75.1339 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(214, 255, 211) }
```



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

```
.border{ border-color:rgb(214, 255, 211) }
```

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

Here you see how a box with a 4 pixel rgb(214, 255, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2494, 90.5193, 75.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 211) }
```

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

```
.background{ background-color: rgb(214,  
255, 211) }
```

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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