

# Converting Colors

XYZ(73.1395, 80.7851, 91.3508)

Have a look what the booklet for  
XYZ(73.1395, 80.7851, 91.3508)  
contains.

<b>XYZ(73.1561, 80.9206, 91.1204)</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(73.1561, 80.9206,  
91.1204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6EDEC
RGB	214, 237, 236
RGB Percent	84%, 93%, 93%
CMY	0.1608, 0.0706, 0.0745
CMYK	0.10, 0.00, 0.00, 0.07
HSL	177°, 39%, 88%
HSV	177°, 10%, 93%
XYZ	73.1561, 80.9206, 91.1204
YIQ	230.0090, -13.3870, -5.1870

# Conversions

## Conversions Part 2

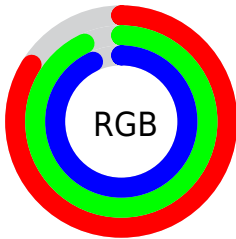
Format	Color
<a href="#">RYB</a>	<a href="#">214, 226, 237</a>
Decimal	<a href="#">14085612</a>
CIELab	<a href="#">92.10, -7.71, -2.10</a>
CIELCh	<a href="#">92, 7.993, 195.229</a>
Yxy	<a href="#">80.9206, 0.2984, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4292275692</a> ( <a href="#">0xFFD6EDEC</a> )
YUV	<a href="#">230.0090, 2.9536, -14.0399</a>
Hunter-Lab	<a href="#">89.9559, -12.2587, 2.9116</a>

# Details

The XYZ color **73.1561, 80.9206, 91.1204** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.2403, 71.0062, 74.2445**, and the grayscale version is **75.2083, 79.1250, 86.1671**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0602, 43.7140, 49.5590** is the 20% darker color. If you saturate the color by 10%, you get **66.5871, 77.5536, 90.0328**, and if you desaturate by 10%, it is **80.7371, 84.8135, 92.2633**.

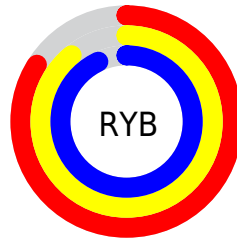
# Distribution



Red (84%)

Green (93%)

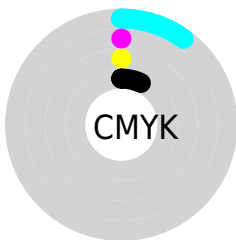
Blue (93%)



Red (84%)

Yellow (89%)

Blue (93%)

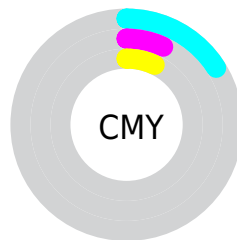


Cyan (10%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (16%)

Magenta (7%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1561, 80.9206, 91.1204 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 73.1561, 80.9206, 91.1204 by changing the saturation by 10% instead.



73.1561, 80.9206,  
91.1204

73.1561, 80.9206,  
91.1204

460.6511,  
498.0299, 552.3326

54.3924, 60.4762,  
68.3313

122.7007,  
134.6593, 150.8428

39.1474, 43.8026,  
49.6990

154.2124,  
168.7223, 188.6132

27.0557, 30.5153,  
34.8048

190.7041,  
208.0938, 232.2145

17.7518, 20.2301,  
23.2302

232.5413,  
253.1579, 282.0651

10.8706, 12.5624,  
14.5567

280.0892,  
304.2992, 338.5837

6.0465, 7.1279,  
8.3657

333.7132,

2.9143, 3.5422,

361.9021, 402.1888

4.2387

393.7787,  
426.3508, 473.2990

■ 1.1086, 1.4209,  
1.7572

■ 0.0323, 0.2321,  
0.3995

■ 73.1561, 80.9206,  
91.1204

■ 73.1561, 80.9206,  
91.1204

■ 66.5871, 77.5536,  
90.0328

■ 80.7371, 84.8135,  
92.2633

■ 60.9797, 74.6801,  
88.9930

■ 86.9684, 88.0084,  
93.3459


■ 56.2899, 72.2796,  
88.0007


■ 87.1209, 88.0694,  
94.1486


■ 52.4674, 70.3260,  
87.0535


■ 87.2742, 88.1307,  
94.9558


 49.4572, 68.7911,  
86.1488


 87.4283, 88.1924,  
95.7677


 47.1979, 67.6432,  
85.2838


 87.5834, 88.2544,  
96.5842


 45.6193, 66.8461,  
84.4551

 87.7393, 88.3168,  
97.4053

 44.6382, 66.3569,  
83.6588

 87.8961, 88.3795,  
98.2310

 44.1178, 66.1052,  
82.8886

 88.0538, 88.4426,  
99.0614

# Harmonies

## Analogous

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



73.1482, 80.9206, 85.2500



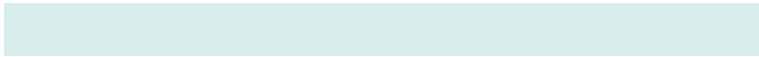
73.1561, 80.9206, 91.1204



74.1584, 80.9206, 96.4045

# Triad

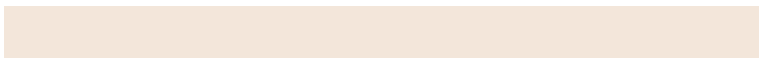
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1561, 80.9206, 91.1204



79.7572, 80.9206, 96.3363



77.9262, 80.9206, 77.5952

# Complementary

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



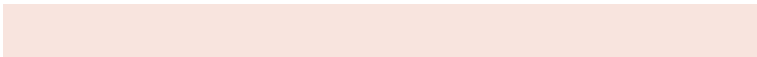
73.1561, 80.9206, 91.1204



71.2403, 71.0062, 74.2445

# 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.



79.7342, 80.9206, 80.3032



73.1561, 80.9206, 91.1204



80.8040, 80.9206, 91.0307

# Square

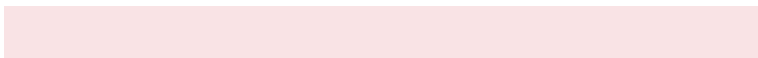
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1561, 80.9206, 91.1204



77.9571, 80.9206, 99.5061



80.7955, 80.9206, 85.1643



75.8775, 80.9206, 77.6168



# Rectangle

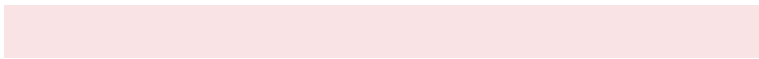
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



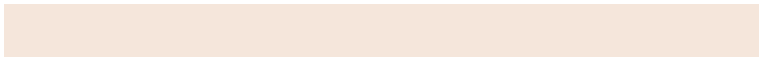
73.1561, 80.9206, 91.1204



75.2660, 80.9206, 98.8083



80.7955, 80.9206, 85.1643



78.5831, 80.9206, 78.2109

# Sweetspot

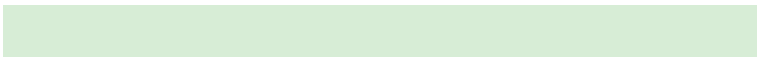
The Sweet Spot groups the original color and five complimentary colors.



73.1584, 80.9240, 91.1222



92.2376, 98.5564, 108.4882



70.4926, 79.8966, 75.3260



19.5858, 21.0146, 23.1976



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.



73.1584, 80.9240, 91.1222



84.4604, 94.5656, 107.2866



70.3935, 75.1602, 90.9219



15.4876, 17.1099, 19.2507



24.0917, 36.0911, 45.3092



1.9006, 2.8376, 3.6043



# Inverse Universe

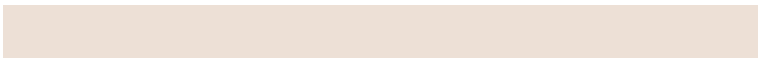
The Inverse Universe completely reimagines the original color for something new.



71.2403, 71.0062, 74.2445



81.6944, 80.2630, 82.9474



73.8154, 76.3621, 74.4687



15.0921, 15.0647, 15.7703



19.1110, 9.8471, 1.1202

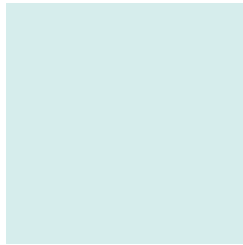


1.5101, 0.7770, 0.1375



# Previews

## White Background



This preview shows how the XYZ color 73.1561, 80.9206, 91.1204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

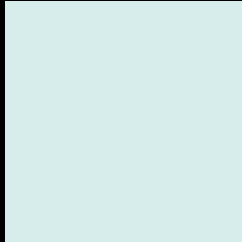
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1561, 80.9206, 91.1204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

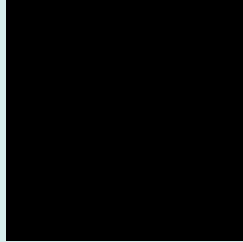
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

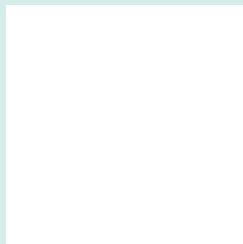
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.1561, 80.9206, 91.1204

## Background



This preview shows how black text looks on a background with the XYZ color 73.1561, 80.9206, 91.1204.



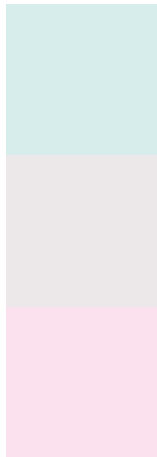
This preview shows how white text looks on a background with the XYZ color 73.1561, 80.9206,



# 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

73.1561, 80.9206, 91.1204

### Protanopia

77.7335, 80.8109, 87.8450

### Deuteranopia

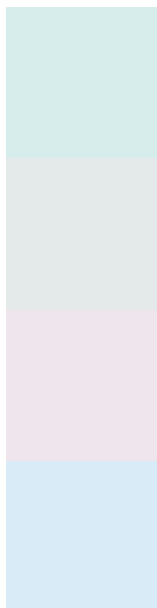
82.1415, 80.5327, 92.1040



## **Tritanopia**

75.7677, 80.6892, 104.5097

# Trichromacy



## Original Color

73.1561, 80.9206, 91.1204

## Protanomaly

75.8418, 80.6550, 88.6615

## Deuteranomaly

78.5653, 80.3302, 91.4852

## Tritanomaly

74.8157, 80.7310, 99.6351

# Monochromacy



## Original Color

73.1561, 80.9206, 91.1204

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.4449, 79.9513, 87.8524

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1561, 80.9206, 91.1204 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, 237, 236)` looks like.

```
.text, #text, p{  
    color:rgb(214, 237, 236)  
}
```

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, 237, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 237, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1561, 80.9206, 91.1204 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, 237, 236) }
```



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

```
.border{ border-color:rgb(214, 237, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 237, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 237, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 237, 236); box-shadow:4px 4px 4px 4px rgb(214, 237, 236) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1561, 80.9206, 91.1204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 237, 236) }
```

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

```
.background{ background-color: rgb(214,  
237, 236) }
```

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