

# Converting Colors

XYZ(73.2797, 77.3952, 83.0363)

Have a look what the booklet for  
XYZ(73.2797, 77.3952, 83.0363)  
contains.

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# Color

**XYZ(73.1494, 77.3087,  
83.0182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E4E2
RGB	227, 228, 226
RGB Percent	89%, 89%, 89%
CMY	0.1098, 0.1059, 0.1137
CMYK	0.00, 0.00, 0.01, 0.11
HSL	90°, 4%, 89%
HSV	90°, 1%, 89%
XYZ	73.1494, 77.3087, 83.0182
YIQ	227.4730, 0.0460, -0.8340

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	226, 228, 227
Decimal	14935266
CIE Lab	90.46, -0.69, 0.85
CIE LCh	90, 1.090, 129.153
Yxy	77.3087, 0.3133, 0.3311
Android (android.graphics.Color)	4293125346 (0xFFE3E4E2)
YUV	227.4730, -0.7262, -0.4148
Hunter-Lab	87.9254, -5.3665, 5.5668

# Details

The XYZ color **73.1494, 77.3087, 83.0182** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.8815, 76.3272, 84.2941**, and the grayscale version is **73.3650, 77.1857, 84.0552**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3075, 41.5981, 44.4856** is the 20% darker color. If you saturate the color by 10%, you get **66.7421, 74.3456, 67.4581**, and if you desaturate by 10%, it is **80.2164, 80.5682, 100.7842**.

# Distribution



Red (89%)

Green (89%)

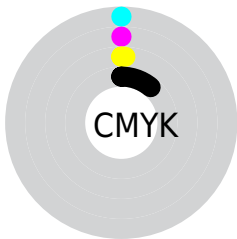
Blue (89%)



Red (89%)

Yellow (89%)

Blue (89%)



Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1494, 77.3087, 83.0182 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 73.1494, 77.3087, 83.0182 by changing the saturation by 10% instead.



■ 73.1494, 77.3087,  
83.0182

■ 73.1494, 77.3087,  
83.0182

460.6282,  
485.8159, 525.0198

■ 54.3869, 57.5063,  
61.6645

122.6913,  
129.5752, 139.4504

■ 39.1430, 41.4118,  
44.3276

154.2014,  
162.8080, 175.3660

■ 27.0522, 28.6410,  
30.5891

190.6915,  
201.2864, 216.9726

■ 17.7492, 18.8094,  
20.0303

232.5268,  
245.3947, 264.6887

■ 10.8687, 11.5327,  
12.2328

280.0728,  
295.5175, 318.9330

■ 6.0452, 6.4263,  
6.7779

333.6948,

■ 2.9135, 3.1060,

352.0390, 380.1239

3.2473

393.7582,  
415.3437, 448.6800

■ 1.1082, 1.1873,  
1.2222

■ 0.0320, 0.0513,  
0.0000

■ 73.1494, 77.3087,  
83.0182

■ 73.1494, 77.3087,  
83.0182

■ 66.7421, 74.3456,  
67.4581

■ 80.2164, 80.5682,  
100.7842

■ 60.9670, 71.6601,  
54.0127

■ 85.1665, 83.0066,  
106.1409

■ 55.8042, 69.2460,  
42.5921

■ 87.0349, 83.9698,  
106.2283

■ 51.2302, 67.0934,  
33.0979

■ 47.2196, 65.1916,  
25.4234

■ 43.7452, 63.5290,  
19.4516

■ 40.7766, 62.0930,  
15.0519

■ 38.2799, 60.8692,  
12.0747

■ 36.2153, 59.8410,  
10.3414

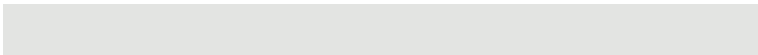
# Harmonies

## Analogous

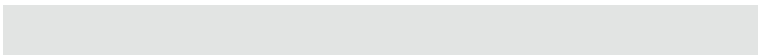
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3963, 77.3087, 82.7038



73.1494, 77.3087, 83.0182



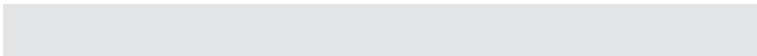
72.9912, 77.3087, 83.6434

# Triad

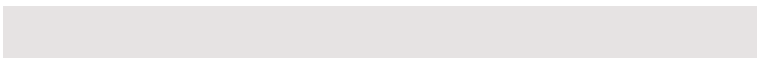
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1494, 77.3087, 83.0182



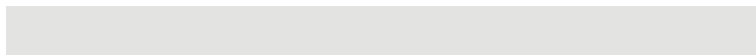
73.2934, 77.3087, 85.5856



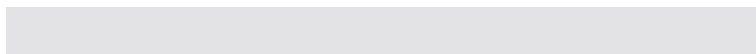
73.9979, 77.3087, 83.9376

# Complementary

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



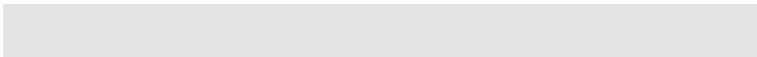
73.1494, 77.3087, 83.0182



72.8815, 76.3272, 84.2941

# Split Complementary

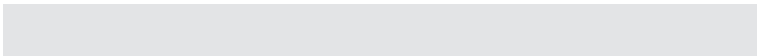
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9702, 77.3087, 84.7110



73.1494, 77.3087, 83.0182



73.5629, 77.3087, 85.6656

# Square

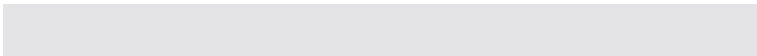
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1494, 77.3087, 83.0182



73.0742, 77.3087, 85.1267



73.8108, 77.3087, 85.3446



73.8865, 77.3087, 83.2325



# Rectangle

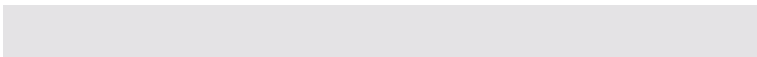
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1494, 77.3087, 83.0182



72.9571, 77.3087, 84.1539



73.8108, 77.3087, 85.3446



74.0045, 77.3087, 84.1982

# Sweetspot

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



73.1516, 77.3120, 83.0199

95.0500, 100.0000, 108.9000



73.1944, 76.9261, 82.9431



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



73.1516, 77.3120, 83.0199



94.1735, 99.5953, 106.7301



72.8371, 77.1499, 83.0052



16.0792, 16.9996, 18.2350



20.1448, 34.1665, 5.5331



1.5957, 2.5800, 0.4139



# Inverse Universe

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



72.8815, 76.3272, 84.2941



93.7754, 98.1433, 108.6088



73.1978, 76.4902, 84.3089



16.0153, 16.7665, 18.5365



12.2492, 5.3806, 42.7761

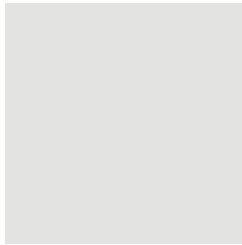


1.0123, 0.4528, 3.1660



# Previews

## White Background



This preview shows how the XYZ color 73.1494, 77.3087, 83.0182 looks on a white background.

## Color Contrast Check

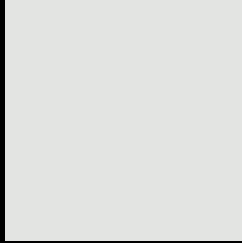
Large Text (above 18pt) WCAG AA × Fail

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 73.1494, 77.3087, 83.0182 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

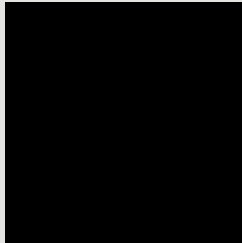
Any Text WCAG AAA ✓ Pass

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

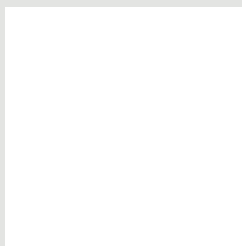


**XYZ 73.1494, 77.3087, 83.0182**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1494, 77.3087, 83.0182.



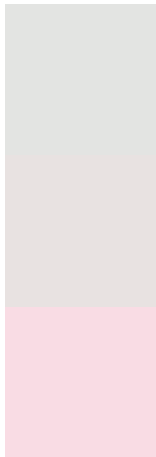
This preview shows how white text looks on a background with the XYZ color 73.1494, 77.3087,



# 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

73.1494, 77.3087, 83.0182

### Protanopia

74.0657, 76.9848, 82.1900

### Deuteranopia

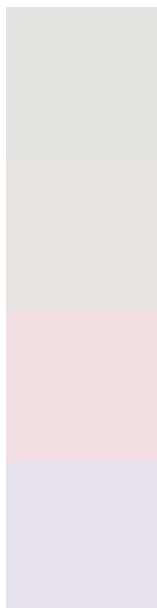
78.6637, 76.9276, 84.1013



## Tritanopia

75.7360, 77.1445, 95.6927

# Trichromacy



## Original Color

73.1494, 77.3087, 83.0182

## Protanomaly

73.6928, 77.1974, 82.2507

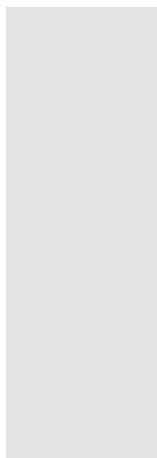
## Deuteranomaly

76.5284, 77.0222, 83.5063

## Tritanomaly

74.7955, 77.1652, 91.0730

# Monochromacy



## Original Color

73.1494, 77.3087, 83.0182

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.0128, 76.8151, 83.6517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1494, 77.3087, 83.0182 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(227, 228, 226) looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 226)  
}
```

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(227, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1494, 77.3087, 83.0182 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(227, 228, 226) }
```

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

```
.border{ border-color:rgb(227, 228, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(227, 228,  
226) }
```



# Background

The CSS property to change the background color of an element to XYZ 73.1494, 77.3087, 83.0182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 228, 226) }
```

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

```
.background{ background-color: rgb(227,  
228, 226) }
```

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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