

Converting Colors

XYZ(78.3461, 83.5086, 84.0766)

Have a look what the booklet for
XYZ(78.3461, 83.5086, 84.0766)
contains.

XYZ(78.3150, 83.3148, 83.9052)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.3150, 83.3148,
83.9052)**

Conversions

Conversions Part 1

Format	Color
Hex	ECECE2
RGB	236, 236, 226
RGB Percent	93%, 93%, 89%
CMY	0.0745, 0.0745, 0.1137
CMYK	0.00, 0.00, 0.04, 0.07
HSL	60°, 21%, 91%
HSV	60°, 4%, 93%
XYZ	78.3150, 83.3148, 83.9052
YIQ	234.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

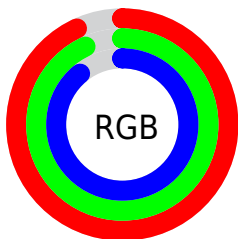
Format	Color
R _Y B	226, 236, 226
Decimal	15527138
CIE Lab	93.15, -1.74, 4.83
CIE LCh	93, 5.135, 109.757
Yxy	83.3148, 0.3190, 0.3393
Android (android.graphics.Color)	4293717218 (0xFFECECE2)
YUV	234.8600, -4.3680, 0.9998
Hunter-Lab	91.2769, -6.5829, 9.3923

Details

The XYZ color **78.3150, 83.3148, 83.9052** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.7039, 76.6198, 90.2658**, and the grayscale version is **78.8916, 83.0001, 90.3871**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4943, 45.2861, 45.0295** is the 20% darker color. If you saturate the color by 10%, you get **75.2943, 82.1088, 68.0066**, and if you desaturate by 10%, it is **81.7861, 84.7063, 102.1552**.

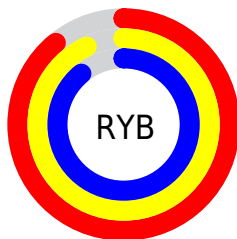
Distribution



Red (93%)

Green (93%)

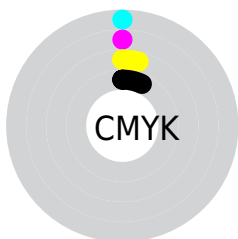
Blue (89%)



Red (89%)

Yellow (93%)

Blue (89%)

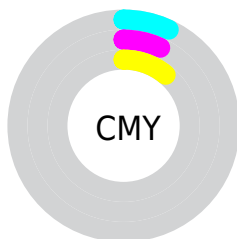


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3150, 83.3148, 83.9052 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 78.3150, 83.3148, 83.9052 by changing the saturation by 10% instead.

■ 78.3150, 83.3148,
83.9052

■ 78.3150, 83.3148,
83.9052

478.0594,
506.0351, 528.0482

■ 58.6365, 62.4499,
62.3922

129.9571,
138.0163, 140.7031

■ 42.5658, 45.3963,
44.9119

162.6514,
172.6216, 176.8251

■ 29.7376, 31.7697,
31.0456

200.4149,
212.5759, 218.6539

■ 19.7866, 21.1857,
20.3748

243.6131,
258.2635, 266.6080

■ 12.3474, 13.2598,
12.4810

292.6113,
310.0688, 321.1059

■ 7.0546, 7.6077,
6.9457

347.7748,

■ 3.5429, 3.8450,

368.3763, 382.5662

3.3502

409.4691,
433.5702, 451.4075

■ 1.4469, 1.5872,
1.2761

■ 0.2893, 0.3490,
0.0421

■ 78.3150, 83.3148,
83.9052

■ 78.3150, 83.3148,
83.9052

■ 75.2943, 82.1088,
68.0066

■ 81.7861, 84.7063,
102.1552

■ 72.6991, 81.0703,
54.3586

■ 82.6467, 85.0510,
106.6683

■ 70.5123, 80.1952,
42.8613

■ 82.6502, 85.0528,
106.6684

■ 68.7130, 79.4751,
33.4050

■ 82.6537, 85.0546,
106.6686

67.2787, 78.9009,
25.8705

82.6572, 85.0564,
106.6688

66.1844, 78.4628,
20.1261

82.6607, 85.0582,
106.6689

65.4018, 78.1494,
16.0236

82.6643, 85.0600,
106.6691

64.8985, 77.9476,
13.3914

82.6678, 85.0619,
106.6693

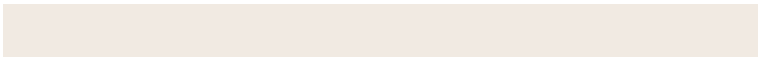
64.6345, 77.8416,
12.0196

82.6713, 85.0637,
106.6694

Harmonies

Analogous

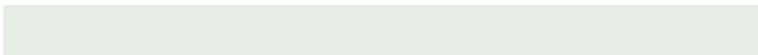
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6502, 83.3148, 83.6029



78.3150, 83.3148, 83.9052



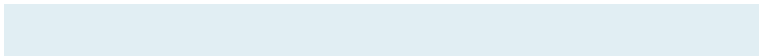
77.2256, 83.3148, 86.0026

Triad

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



78.3150, 83.3148, 83.9052



77.5250, 83.3148, 96.5025



81.7672, 83.3148, 92.0425

Complementary

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



78.3150, 83.3148, 83.9052



73.7039, 76.6198, 90.2658

Split Complementary

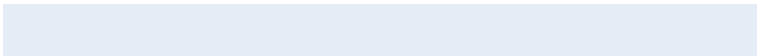
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1838, 83.3148, 95.5978



78.3150, 83.3148, 83.9052



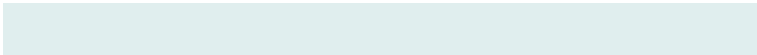
78.7281, 83.3148, 98.2208

Square

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



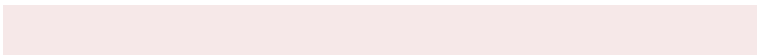
78.3150, 83.3148, 83.9052



76.7731, 83.3148, 93.2490



80.0679, 83.3148, 97.8850



81.6535, 83.3148, 88.2287

Rectangle

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



78.3150, 83.3148, 83.9052



76.7804, 83.3148, 88.1706



80.0679, 83.3148, 97.8850



81.6458, 83.3148, 93.3092

Sweetspot

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



78.3173, 83.3184, 83.9070



94.6417, 99.8366, 106.7520



75.5185, 77.7186, 82.9736



20.2615, 21.3709, 22.8720



0.0000, 0.0000, 0.0000



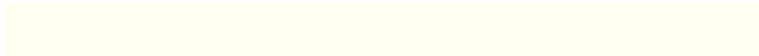
20.3446, 21.4041, 23.3091

Same Dimension

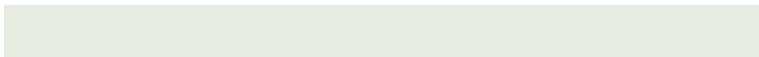
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3173, 83.3184, 83.9070



93.0625, 99.2048, 98.4449



76.6810, 82.4749, 83.8304



16.6011, 17.7266, 17.3734



35.5828, 42.8881, 6.4028



2.7943, 3.3679, 0.5028

Inverse Universe

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



73.7039, 76.6198, 90.2658



86.5824, 89.7957, 107.3767



75.2942, 77.4396, 90.3402



15.2963, 15.8319, 19.1719



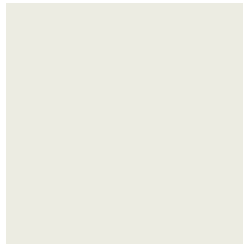
8.3466, 3.3388, 43.9475



0.6556, 0.2623, 3.4509

Previews

White Background



This preview shows how the XYZ color 78.3150, 83.3148, 83.9052 looks on a white background.

Color Contrast Check

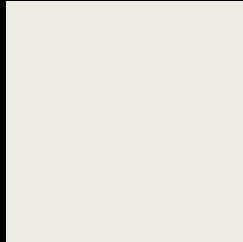
Large Text (above 18pt) WCAG AA × Fail

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 78.3150, 83.3148, 83.9052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

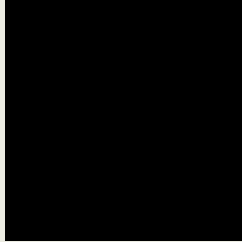
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

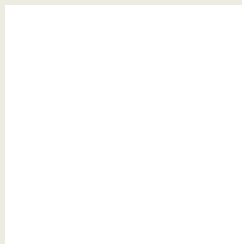
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3150, 83.3148, 83.9052

Background



This preview shows how black text looks on a background with the XYZ color 78.3150, 83.3148, 83.9052.



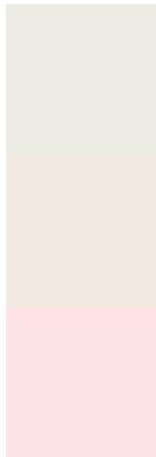
This preview shows how white text looks on a background with the XYZ color 78.3150, 83.3148,

83.9052.

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

78.3150, 83.3148, 83.9052

Protanopia

79.6314, 83.1591, 83.0885

Deuteranopia

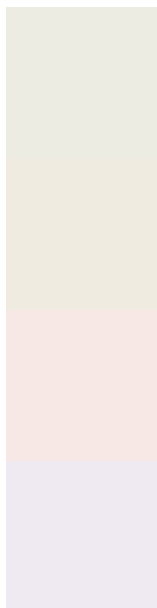
83.5422, 83.0118, 86.4826



Tritanopia

82.2044, 83.2035, 102.9940

Trichromacy



Original Color

78.3150, 83.3148, 83.9052

Protanomaly

79.2341, 83.3782, 83.1517

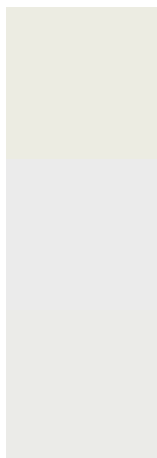
Deuteranomaly

81.7109, 83.3268, 85.9058

Tritanomaly

80.7625, 83.0394, 95.7760

Monochromacy



Original Color

78.3150, 83.3148, 83.9052

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.5348, 82.9050, 88.2070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3150, 83.3148, 83.9052 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(236, 236, 226) looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 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(236, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 226) }
```

Border

The CSS property to change the border of an element to XYZ 78.3150, 83.3148, 83.9052 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(236, 236, 226) }
```


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

```
.border{ border-color:rgb(236, 236, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 236, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3150, 83.3148, 83.9052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 226) }
```

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

```
.background{ background-color: rgb(236,  
236, 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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