

Converting Colors

XYZ(76.7618, 81.0681, 81.9453)

Have a look what the booklet for
XYZ(76.7618, 81.0681, 81.9453)
contains.

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Color

**XYZ(76.8544, 81.3218,
82.1670)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE9E0
RGB	235, 233, 224
RGB Percent	92%, 91%, 88%
CMY	0.0784, 0.0863, 0.1216
CMYK	0.00, 0.01, 0.05, 0.08
HSL	49°, 22%, 90%
HSV	49°, 5%, 92%
XYZ	76.8544, 81.3218, 82.1670
YIQ	232.5720, 4.0810, -2.3750

Conversions

Conversions Part 2

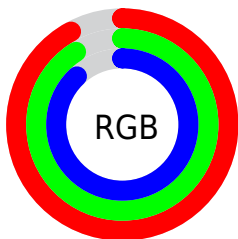
Format	Color
R_{YB}	226, 235, 224
Decimal	15460832
CIE Lab	92.27, -0.89, 4.59
CIE LCh	92, 4.680, 100.918
Yxy	81.3218, 0.3198, 0.3384
Android (android.graphics.Color)	4293650912 (0xFFE9E0)
YUV	232.5720, -4.2260, 2.1294
Hunter-Lab	90.1786, -5.6865, 9.1024

Details

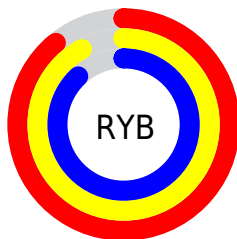
The XYZ color **76.8544, 81.3218, 82.1670** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.9322, 76.2370, 89.4695**, and the grayscale version is **77.1610, 81.1793, 88.4043**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4740, 43.8926, 43.8223** is the 20% darker color. If you saturate the color by 10%, you get **72.6934, 77.7520, 66.1277**, and if you desaturate by 10%, it is **81.4896, 85.1332, 100.5396**.

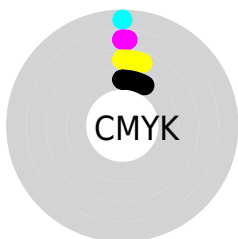
Distribution



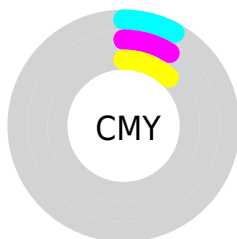
- Red (92%)
- Green (91%)
- Blue (88%)



- Red (89%)
- Yellow (92%)
- Blue (88%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8544, 81.3218, 82.1670 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 76.8544, 81.3218, 82.1670 by changing the saturation by 10% instead.

■ 76.8544, 81.3218,
82.1670

■ 76.8544, 81.3218,
82.1670

473.1670,
499.3763, 522.1042

■ 57.4329, 60.8067,
60.9666

127.9079,
135.2225, 138.2469

■ 41.5944, 44.0692,
43.7678

160.2705,
169.3769, 173.9636

■ 28.9735, 30.7249,
30.1522

197.6776,
208.8465, 215.3560

■ 19.2050, 20.3894,
19.7011

240.4945,
254.0157, 262.8428

■ 11.9234, 12.6784,
11.9960

289.0865,
305.2689, 316.8424

■ 6.7633, 7.2075,
6.6185

343.8191,

■ 3.3596, 3.5922,

362.9904, 377.7736

3.1499

405.0574,
427.5648, 446.0546

■ 1.3466, 1.4482,
1.1717

■ 0.2177, 0.2518,
0.0000

■ 76.8544, 81.3218,
82.1670

■ 76.8544, 81.3218,
82.1670

■ 72.6934, 77.7520,
66.1277

■ 81.4896, 85.1332,
100.5396

■ 68.9818, 74.4056,
52.3217

■ 83.9246, 88.1089,
107.1912

■ 65.7023, 71.2782,
40.6497

■ 85.2053, 90.6701,
107.6180

■ 62.8341, 68.3609,
31.0028

■ 86.5156, 93.2909,
108.0548

■ 60.3545, 65.6444,
23.2623

■ 87.8560, 95.9716,
108.5016

■ 58.2385, 63.1184,
17.2974

■ 88.0714, 96.4024,
108.5734

■ 56.4577, 60.7711,
12.9605

■ 54.9795, 58.5892,
10.0802

■ 53.7639, 56.5563,
8.4469

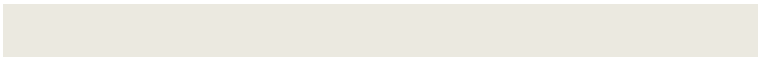
Harmonies

Analogous

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



78.0565, 81.3218, 82.4007



76.8544, 81.3218, 82.1670



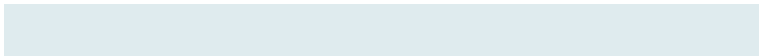
75.7811, 81.3218, 83.6086

Triad

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



76.8544, 81.3218, 82.1670



75.5503, 81.3218, 92.9789



79.5121, 81.3218, 90.7404

Complementary

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



76.8544, 81.3218, 82.1670



72.9322, 76.2370, 89.4695

Split Complementary

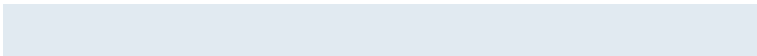
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8268, 81.3218, 93.6732



76.8544, 81.3218, 82.1670



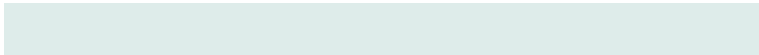
76.5363, 81.3218, 94.9887

Square

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



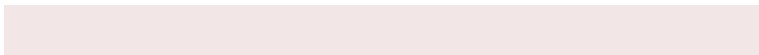
76.8544, 81.3218, 82.1670



75.0334, 81.3218, 89.8128



77.7351, 81.3218, 95.2461



79.5994, 81.3218, 87.2904

Rectangle

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



76.8544, 81.3218, 82.1670



75.2798, 81.3218, 85.3483



77.7351, 81.3218, 95.2461



79.3437, 81.3218, 91.8218

Sweetspot

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



76.8567, 81.3253, 82.1688



94.4947, 99.5420, 106.7029



74.6475, 76.4666, 82.7898



20.2316, 21.3109, 22.8620



0.0000, 0.0000, 0.0000



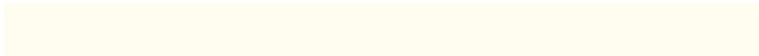
20.3446, 21.4041, 23.3091

Same Dimension

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



76.8567, 81.3253, 82.1688



91.8045, 97.2951, 96.1458



76.2860, 81.8746, 82.3049



16.3652, 17.3559, 16.9806



29.6895, 31.0732, 4.4329



2.3918, 2.5609, 0.3682

Inverse Universe

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



72.9322, 76.2370, 89.4695



85.7774, 89.4807, 107.3583



73.4834, 75.7203, 89.3407



15.1848, 15.8254, 19.1765



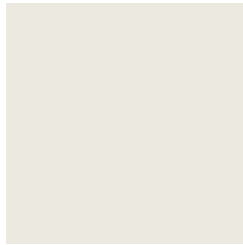
8.8853, 4.4175, 44.1273



0.7608, 0.4730, 3.4861

Previews

White Background



This preview shows how the XYZ color 76.8544, 81.3218, 82.1670 looks on a white background.

Color Contrast Check

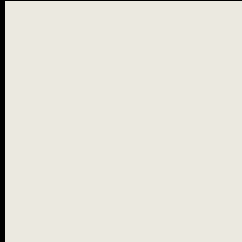
Large Text (above 18pt) WCAG AA × Fail

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 76.8544, 81.3218, 82.1670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

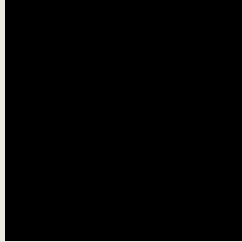
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

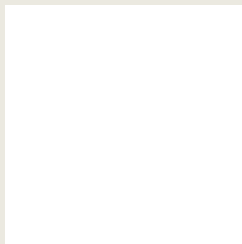
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8544, 81.3218, 82.1670

Background



This preview shows how black text looks on a background with the XYZ color 76.8544, 81.3218, 82.1670.



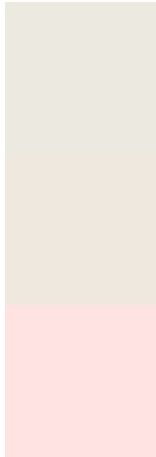
This preview shows how white text looks on a background with the XYZ color 76.8544, 81.3218,

82.1670.

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

76.8544, 81.3218, 82.1670

Protanopia

77.7725, 81.3917, 81.4231

Deuteranopia

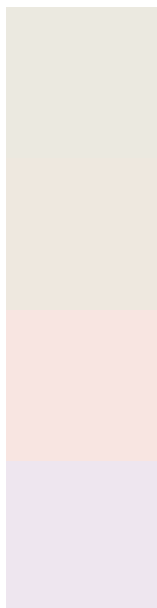
82.1638, 81.1437, 83.2833



Tritanopia

80.5592, 81.1667, 100.2277

Trichromacy



Original Color

76.8544, 81.3218, 82.1670

Protanomaly

77.4358, 81.2181, 81.4074

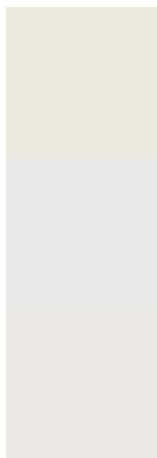
Deuteranomaly

80.3213, 81.4313, 82.7186

Tritanomaly

79.1367, 81.0028, 93.1255

Monochromacy



Original Color

76.8544, 81.3218, 82.1670

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.3535, 81.4834, 86.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8544, 81.3218, 82.1670 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(235, 233, 224) looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 224)  
}
```

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(235, 233, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 224) }
```

Border

The CSS property to change the border of an element to XYZ 76.8544, 81.3218, 82.1670 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(235, 233, 224) }
```


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

```
.border{ border-color:rgb(235, 233, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 224);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8544, 81.3218, 82.1670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 224) }
```

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

```
.background{ background-color: rgb(235,  
233, 224) }
```

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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