

Converting Colors

XYZ(75.8108, 82.2368, 74.1650)

Have a look what the booklet for
XYZ(75.8108, 82.2368, 74.1650)
contains.

XYZ(75.8108, 82.2368, 74.1650)	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(75.8108, 82.2368,
74.1650)**

Conversions

Conversions Part 1

Format	Color
Hex	EAECD4
RGB	234, 236, 212
RGB Percent	92%, 93%, 83%
CMY	0.0823, 0.0745, 0.1686
CMYK	0.01, 0.00, 0.10, 0.07
HSL	65°, 39%, 88%
HSV	65°, 10%, 93%
XYZ	75.8108, 82.2368, 74.1650
YIQ	232.6660, 6.5120, -7.8880

Conversions

Conversions Part 2

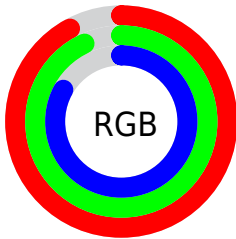
Format	Color
RYB	212, 236, 214
Decimal	15396052
CIELab	92.68, -4.75, 11.41
CIELCh	93, 12.355, 112.601
Yxy	82.2368, 0.3265, 0.3541
Android (android.graphics.Color)	4293586132 (0xFFEAECD4)
YUV	232.6660, -10.1883, 1.1699
Hunter-Lab	90.6845, -9.4747, 14.9897

Details

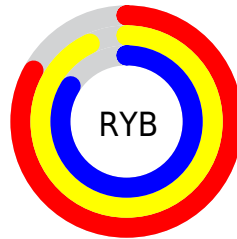
The XYZ color **75.8108, 82.2368, 74.1650** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **66.4186, 67.4415, 88.8782**, and the grayscale version is **77.2736, 81.2979, 88.5334**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7672, 44.5418, 38.3471** is the 20% darker color. If you saturate the color by 10%, you get **72.4060, 80.8032, 59.5844**, and if you desaturate by 10%, it is **79.6625, 83.8554, 91.0414**.

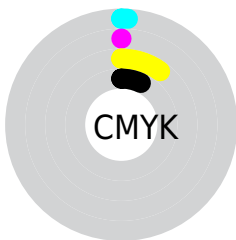
Distribution



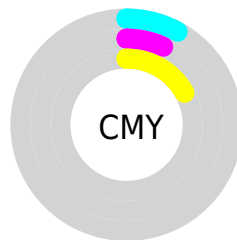
- Red (92%)
- Green (93%)
- Blue (83%)



- Red (83%)
- Yellow (93%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8108, 82.2368, 74.1650 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 75.8108, 82.2368, 74.1650 by changing the saturation by 10% instead.

■ 75.8108, 82.2368,
74.1650

■ 75.8108, 82.2368,
74.1650

469.6541,
502.4394, 494.2213

■ 56.5739, 61.5607,
54.4315

126.4412,
136.5060, 126.8659

■ 40.9020, 44.6779,
38.5512

158.5654,
170.8680, 160.6703

■ 28.4299, 31.2038,
26.1056

195.7161,
210.5607, 200.0022

■ 18.7921, 20.7541,
16.6762

238.2586,
255.9686, 245.2800

■ 11.6232, 12.9443,
9.8444

286.5583,
307.4760, 296.9222

■ 6.5580, 7.3902,
5.1917

340.9806,

■ 3.2311, 3.7073,

365.4673, 355.3475

2.2994

401.8907,
430.3270, 420.9743

■ 1.2771, 1.5112,
0.7309

■ 0.1660, 0.2966,
0.0000

■ 75.8108, 82.2368,
74.1650

■ 75.8108, 82.2368,
74.1650

■ 72.4060, 80.8032,
59.5844

■ 79.6625, 83.8554,
91.0414

■ 69.4226, 79.5363,
47.1954

■ 83.2879, 85.3815,
106.6983

■ 66.8425, 78.4316,
36.8933

■ 83.9532, 85.7245,
106.7294

■ 64.6441, 77.4804,
28.5631

■ 84.6257, 86.0712,
106.7609

62.8031, 76.6730,
22.0787

85.3055, 86.4216,
106.7927

61.2930, 75.9987,
17.2992

85.9926, 86.7759,
106.8249

60.0830, 75.4453,
14.0637

86.6871, 87.1339,
106.8574

59.1368, 74.9982,
12.1803

87.3889, 87.4957,
106.8902

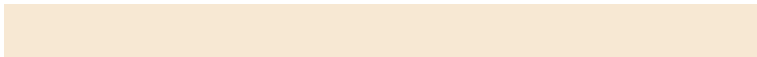
58.4033, 74.6382,
11.3284

88.0981, 87.8613,
106.9234

Harmonies

Analogous

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



78.9628, 82.2368, 73.1005



75.8108, 82.2368, 74.1650



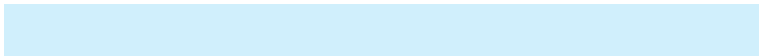
73.3526, 82.2368, 79.2092

Triad

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



75.8108, 82.2368, 74.1650



74.4671, 82.2368, 104.3630



84.4586, 82.2368, 91.8423

Complementary

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



75.8108, 82.2368, 74.1650



66.4186, 67.4415, 88.8782

Split Complementary

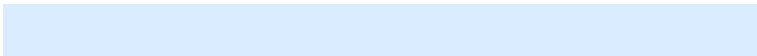
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1805, 82.2368, 100.7363



75.8108, 82.2368, 74.1650



77.3699, 82.2368, 108.2803

Square

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



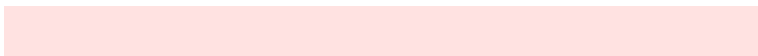
75.8108, 82.2368, 74.1650



72.5918, 82.2368, 96.5229



80.5646, 82.2368, 106.9096



84.0134, 82.2368, 82.9059

Rectangle

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



75.8108, 82.2368, 74.1650



72.4092, 82.2368, 84.3492



80.5646, 82.2368, 106.9096



84.2151, 82.2368, 94.9434

Sweetspot

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



75.8130, 82.2404, 74.1668



93.6079, 99.3961, 102.5308



70.5250, 70.6816, 72.2144



19.9552, 21.2410, 21.5907



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.



75.8130, 82.2404, 74.1668



89.5749, 97.7021, 84.9431



72.0063, 80.2779, 73.9886



16.2206, 17.5593, 16.0531



32.2451, 41.1674, 6.2466



2.5687, 3.2515, 0.4922

Inverse Universe

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



66.4186, 67.4415, 88.8782



76.4778, 77.0703, 105.4530



70.0504, 69.3138, 89.0481



14.3478, 14.6090, 18.9859



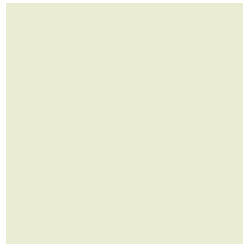
8.5446, 3.4408, 43.9568



0.7113, 0.2910, 3.4536

Previews

White Background



This preview shows how the XYZ color 75.8108, 82.2368, 74.1650 looks on a white background.

Color Contrast Check

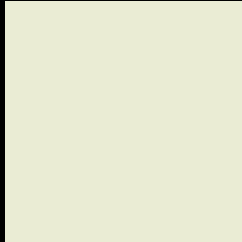
Large Text (above 18pt) WCAG AA × Fail

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 75.8108, 82.2368, 74.1650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

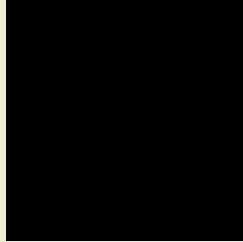
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

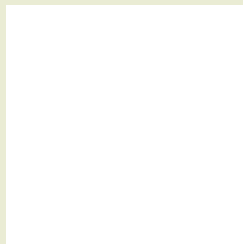
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8108, 82.2368, 74.1650

Background



This preview shows how black text looks on a background with the XYZ color 75.8108, 82.2368, 74.1650.

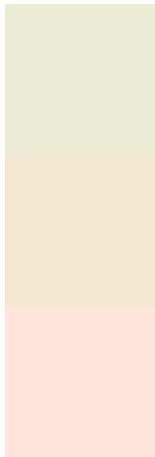


This preview shows how white text looks on a background with the XYZ color 75.8108, 82.2368,

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

75.8108, 82.2368, 74.1650

Protanopia

77.7339, 81.9857, 72.7006

Deuteranopia

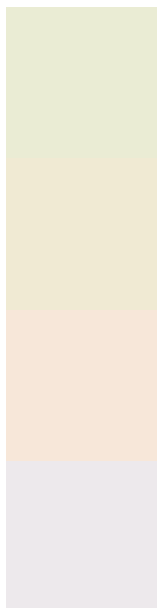
81.9017, 81.9141, 79.2045



Tritanopia

81.2714, 82.3421, 101.2327

Trichromacy



Original Color

75.8108, 82.2368, 74.1650

Protanomaly

77.1159, 82.0741, 73.4055

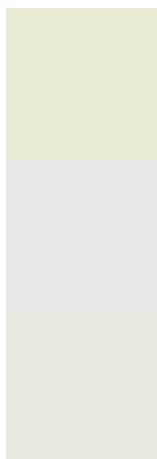
Deuteranomaly

79.4581, 81.9357, 77.2729

Tritanomaly

79.2043, 82.3385, 91.0753

Monochromacy



Original Color

75.8108, 82.2368, 74.1650

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.6177, 81.6055, 82.9474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8108, 82.2368, 74.1650 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(234, 236, 212)` looks like.

```
.text, #text, p{  
    color:rgb(234, 236, 212)  
}
```

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(234, 236, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 236, 212) }
```

Border

The CSS property to change the border of an element to XYZ 75.8108, 82.2368, 74.1650 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(234, 236, 212) }
```


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

```
.border{ border-color:rgb(234, 236, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 236, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 236, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 236, 212);  
box-shadow:4px 4px 4px 4px rgb(234, 236,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8108, 82.2368, 74.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 236, 212) }
```

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

```
.background{ background-color: rgb(234,  
236, 212) }
```

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