

Converting Colors

XYZ(78.1151, 81.8216, 65.8502)

Have a look what the booklet for
XYZ(78.1151, 81.8216, 65.8502)
contains.

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Color

**XYZ(78.2323, 81.9765,
65.7326)**

Conversions

Conversions Part 1

Format	Color
Hex	F9E8C7
RGB	249, 232, 199
RGB Percent	98%, 91%, 78%
CMY	0.0235, 0.0902, 0.2196
CMYK	0.00, 0.07, 0.20, 0.02
HSL	40°, 81%, 88%
HSV	40°, 20%, 98%
XYZ	78.2323, 81.9765, 65.7326
YIQ	233.3210, 20.7250, -6.6590

Conversions

Conversions Part 2

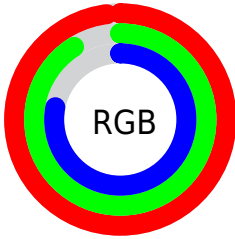
Format	Color
R _Y B	225, 249, 199
Decimal	16378055
CIE Lab	92.56, 0.63, 18.15
CIE LCh	93, 18.159, 88.006
Yxy	81.9765, 0.3463, 0.3628
Android (android.graphics.Color)	4294568135 (0xFFFF9E8C7)
YUV	233.3210, -16.9203, 13.7505
Hunter-Lab	90.5409, -4.2127, 20.3341

Details

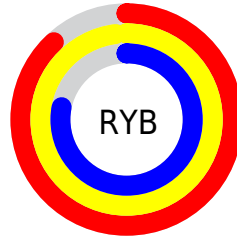
The XYZ color **78.2323, 81.9765, 65.7326** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.2075, 68.0917, 99.3291**, and the grayscale version is **77.8083, 81.8604, 89.1460**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3744, 44.3015, 33.1057** is the 20% darker color. If you saturate the color by 10%, you get **73.2500, 76.2657, 50.9565**, and if you desaturate by 10%, it is **83.8068, 88.1134, 83.0418**.

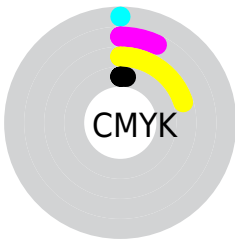
Distribution



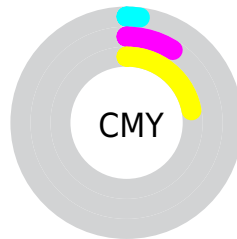
- Red (98%)
- Green (91%)
- Blue (78%)



- Red (88%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (7%)
- Yellow (20%)
- Black (2%)



- Cyan (2%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2323, 81.9765, 65.7326 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 78.2323, 81.9765, 65.7326 by changing the saturation by 10% instead.

78.2323, 81.9765,
65.7326

78.2323, 81.9765,
65.7326

477.7831,
501.5691, 463.7980

58.5683, 61.3462,
47.6003

129.8412,
136.1410, 114.7258

42.5107, 44.5046,
33.1527

162.5167,
170.4440, 146.4237

29.6943, 31.0674,
21.9714

200.2602,
210.0734, 183.4806

19.7535, 20.6502,
13.6377

243.4369,
255.4135, 226.3150

12.3232, 12.8685,
7.7333

292.4121,
306.8487, 275.3453

7.0380, 7.3381,
3.8394

347.5514,

3.5324, 3.6744,

364.7634, 330.9903

1.5377

409.2199,
429.5421, 393.6683

■ 1.4412, 1.4932,
0.2458

■ 0.2853, 0.2839,
0.0000

■ 78.2323, 81.9765,
65.7326

■ 78.2323, 81.9765,
65.7326

■ 73.2500, 76.2657,
50.9565

■ 83.8068, 88.1134,
83.0418

■ 68.8287, 70.9576,
38.5868

■ 89.9901, 94.6770,
102.9922

■ 64.9442, 66.0426,
28.4935

■ 92.8771, 98.8798,
108.7983

■ 61.5675, 61.5064,
20.5323

■ 58.6663, 57.3335,
14.5420

■ 56.2041, 53.5064,
10.3382

■ 54.1374, 50.0049,
7.7015

■ 52.4083, 46.8222,
6.2754

Harmonies

Analogous

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



82.8216, 81.9765, 68.9900



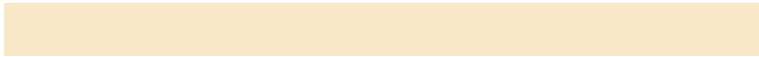
78.2323, 81.9765, 65.7326



73.7342, 81.9765, 68.2314

Triad

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



78.2323, 81.9765, 65.7326



70.1791, 81.9765, 102.0204



85.8649, 81.9765, 103.7418

Complementary

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



78.2323, 81.9765, 65.7326



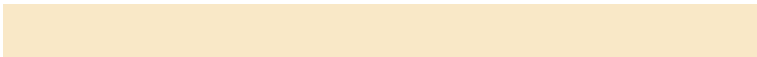
65.2075, 68.0917, 99.3291

Split Complementary

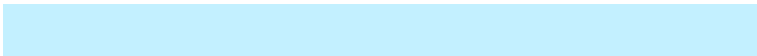
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2534, 81.9765, 114.2144



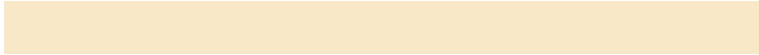
78.2323, 81.9765, 65.7326



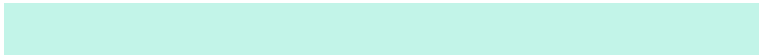
73.2084, 81.9765, 113.1522

Square

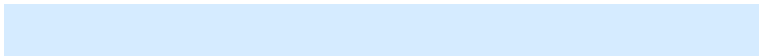
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2323, 81.9765, 65.7326



69.1982, 81.9765, 88.3575



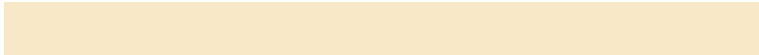
77.6010, 81.9765, 117.8184



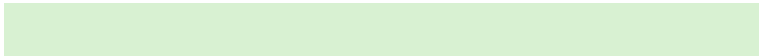
87.3373, 81.9765, 90.1656

Rectangle

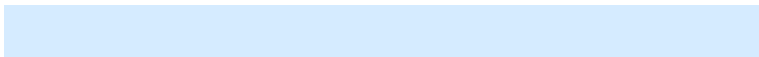
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2323, 81.9765, 65.7326



71.3674, 81.9765, 72.9818



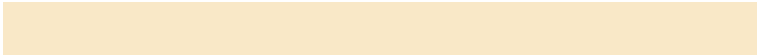
77.6010, 81.9765, 117.8184



84.8538, 81.9765, 107.7913

Sweetspot

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



78.2345, 81.9802, 65.7343



91.0470, 95.7802, 95.8933



71.9505, 65.9714, 74.2477



19.3976, 20.4047, 20.2354



0.0000, 0.0000, 0.0000



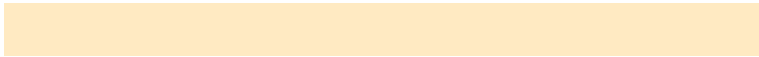
20.3446, 21.4041, 23.3091

Same Dimension

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



78.2345, 81.9802, 65.7343



80.4345, 84.1048, 62.9157



80.6316, 90.6643, 67.2842



18.2015, 19.1389, 18.1973



28.1902, 25.3371, 3.4048



2.7091, 2.5430, 0.3481

Inverse Universe

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



65.2075, 68.0917, 99.3291



64.4459, 67.0611, 104.1552



63.1159, 60.8810, 98.0475



16.7652, 17.6073, 21.9002



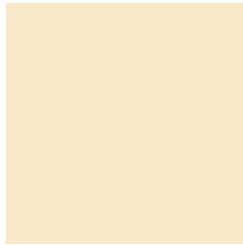
10.9940, 7.3435, 48.8115



1.1122, 0.8681, 4.5521

Previews

White Background



This preview shows how the XYZ color 78.2323, 81.9765, 65.7326 looks on a white background.

Color Contrast Check

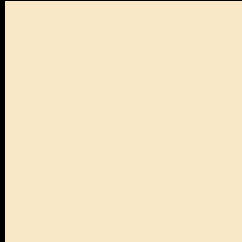
Large Text (above 18pt) WCAG AA × Fail

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 78.2323, 81.9765, 65.7326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

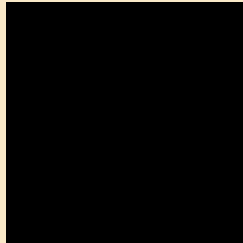
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.2323, 81.9765, 65.7326

Background



This preview shows how black text looks on a background with the XYZ color 78.2323, 81.9765, 65.7326.



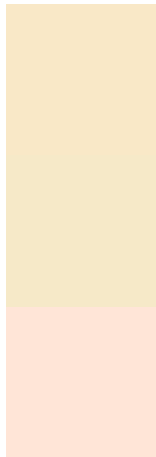
This preview shows how white text looks on a background with the XYZ color 78.2323, 81.9765,

65.7326.

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

78.2323, 81.9765, 65.7326

Protanopia

77.5703, 82.0408, 66.3906

Deuteranopia

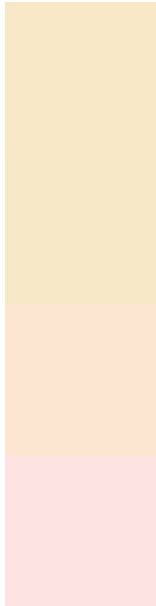
81.5251, 82.2049, 75.8603



Tritanopia

84.6140, 82.1238, 96.1859

Trichromacy



Original Color

78.2323, 81.9765, 65.7326

Protanomaly

77.9220, 82.2221, 66.4071

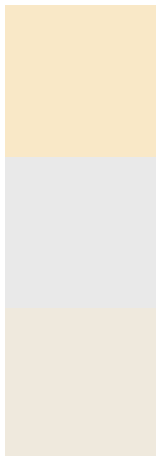
Deuteranomaly

80.3135, 82.0797, 71.9316

Tritanomaly

82.1165, 81.9155, 84.1563

Monochromacy



Original Color

78.2323, 81.9765, 65.7326

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.7867, 81.8490, 80.1053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2323, 81.9765, 65.7326 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(249, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(249, 232, 199)  
}
```

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(249, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 232, 199) }
```

Border

The CSS property to change the border of an element to XYZ 78.2323, 81.9765, 65.7326 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(249, 232, 199) }
```


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

```
.border{ border-color:rgb(249, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 232, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 232, 199);  
box-shadow:4px 4px 4px 4px rgb(249, 232,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2323, 81.9765, 65.7326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 232, 199) }
```

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

```
.background{ background-color: rgb(249,  
232, 199) }
```

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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