

Converting Colors

XYZ(79.8095, 85.0060, 77.3633)

Have a look what the booklet for
XYZ(79.8095, 85.0060, 77.3633)
contains.

| | |
|------------------------------------------------|----|
| XYZ(79.9314, 85.1616, 77.1908) | 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(79.9314, 85.1616,
77.1908)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F3EED8 |
| RGB | 243, 238, 216 |
| RGB Percent | 95%, 93%, 85% |
| CMY | 0.0471, 0.0666, 0.1529 |
| CMYK | 0.00, 0.02, 0.11, 0.05 |
| HSL | 49°, 53%, 90% |
| HSV | 49°, 11%, 95% |
| XYZ | 79.9314, 85.1616, 77.1908 |
| YIQ | 236.9870, 10.0420, -5.7820 |

Conversions

Conversions Part 2

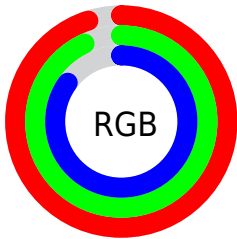
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 222, 243, 216 |
| Decimal | 15986392 |
| CIE Lab | 93.95, -1.98, 11.24 |
| CIE LCh | 94, 11.414, 100.008 |
| Yxy | 85.1616, 0.3299, 0.3515 |
| Android (android.graphics.Color) | 4294176472 (0xFFFF3EED8) |
| YUV | 236.9870, -10.3466, 5.2734 |
| Hunter-Lab | 92.2830, -6.8867, 15.0046 |

Details

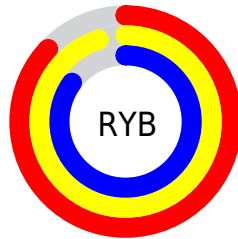
The XYZ color **79.9314, 85.1616, 77.1908** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.3530, 72.7818, 95.1353**, and the grayscale version is **80.5600, 84.7554, 92.2986**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6545, 46.5939, 40.4109** is the 20% darker color. If you saturate the color by 10%, you get **75.7274, 81.4144, 61.4194**, and if you desaturate by 10%, it is **84.6374, 89.1675, 95.4237**.

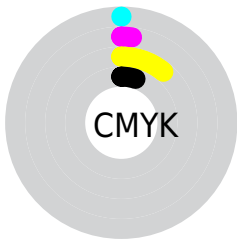
Distribution



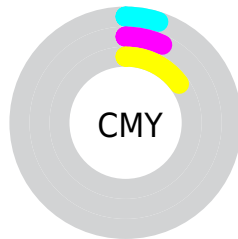
- Red (95%)
- Green (93%)
- Blue (85%)



- Red (87%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9314, 85.1616, 77.1908 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 79.9314, 85.1616, 77.1908 by changing the saturation by 10% instead.

79.9314, 85.1616,
77.1908

79.9314, 85.1616,
77.1908

483.4417,
512.1626, 504.8692

59.9702, 63.9749,
56.8970

132.2203,
140.5989, 131.1842

43.6440, 46.6304,
40.5137

165.2787,
175.6184, 165.7210

30.5874, 32.7435,
27.6225

203.4335,
216.0175, 205.8424

20.4352, 21.9300,
17.8047

247.0502,
262.1808, 251.9671

12.8219, 13.8055,
10.6419

296.4939,
314.4925, 304.5136

7.3821, 7.9855,
5.7155

352.1302,

3.7507, 4.0857,

373.3371, 363.9004

2.6069

414.3243,
439.0990, 430.5461

■ 1.5621, 1.7216,
0.8960

■ 0.3675, 0.4376,
0.0000

■ 79.9314, 85.1616,
77.1908

■ 79.9314, 85.1616,
77.1908

■ 75.7274, 81.4144,
61.4194

■ 84.6374, 89.1675,
95.4237

■ 71.9980, 77.9061,
47.9969

■ 88.2727, 92.7951,
107.8665

■ 68.7233, 74.6313,
36.8101

■ 89.6642, 95.5782,
108.3304

■ 65.8794, 71.5800,
27.7344

■ 90.7726, 97.7949,
108.6998

■ 63.4401, 68.7413,
20.6327

■ 61.3761, 66.1031,
15.3520

■ 59.6539, 63.6516,
11.7164

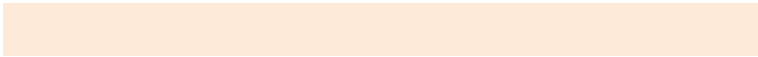
■ 58.2330, 61.3702,
9.5155

■ 57.1661, 59.4620,
8.4643

Harmonies

Analogous

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



82.9595, 85.1616, 77.8603



79.9314, 85.1616, 77.1908



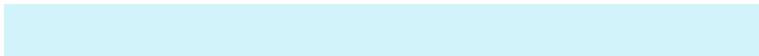
77.2416, 85.1616, 80.4799

Triad

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



79.9314, 85.1616, 77.1908



76.5461, 85.1616, 103.9168



86.5648, 85.1616, 98.5715

Complementary

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



79.9314, 85.1616, 77.1908



70.3530, 72.7818, 95.1353

Split Complementary

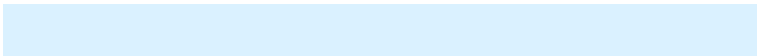
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7620, 85.1616, 106.1564



79.9314, 85.1616, 77.1908



78.9605, 85.1616, 109.3739

Square

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



79.9314, 85.1616, 77.1908



75.3197, 85.1616, 95.6679



81.9642, 85.1616, 110.2182



86.8406, 85.1616, 89.8460

Rectangle

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



79.9314, 85.1616, 77.1908



75.9832, 85.1616, 84.6034



81.9642, 85.1616, 110.2182



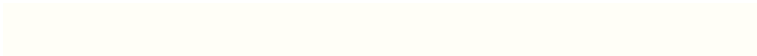
86.1152, 85.1616, 101.3536

Sweetspot

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



79.9337, 85.1653, 77.1926



93.3927, 98.6173, 102.3918



74.6237, 73.4095, 78.9240



19.8970, 21.0300, 21.5531



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.



79.9337, 85.1653, 77.1926



88.2392, 94.1948, 82.5326



78.6743, 86.7053, 77.5562



17.6388, 18.7616, 17.4893



31.4672, 32.8200, 4.6764



2.8317, 3.0166, 0.4330

Inverse Universe

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



70.3530, 72.7818, 95.1353



75.8671, 78.2036, 105.7039



71.5062, 71.4474, 94.8169



15.8292, 16.4226, 20.8782



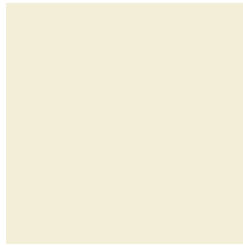
9.4636, 4.7210, 46.9505



0.8983, 0.5481, 4.1487

Previews

White Background



This preview shows how the XYZ color 79.9314, 85.1616, 77.1908 looks on a white background.

Color Contrast Check

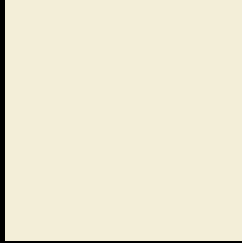
Large Text (above 18pt) WCAG AA × Fail

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 79.9314, 85.1616, 77.1908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

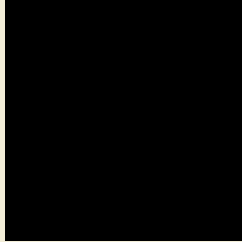
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

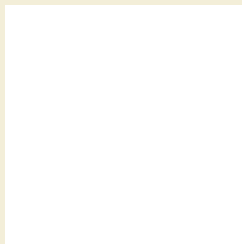
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9314, 85.1616, 77.1908

Background



This preview shows how black text looks on a background with the XYZ color 79.9314, 85.1616, 77.1908.

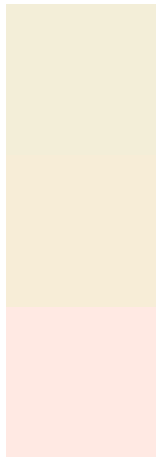


This preview shows how white text looks on a background with the XYZ color 79.9314, 85.1616,

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

79.9314, 85.1616, 77.1908

Protanopia

80.9077, 85.2488, 76.4804

Deuteranopia

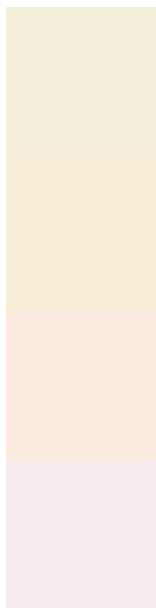
84.2440, 85.0839, 84.6557



Tritanopia

85.2629, 85.1993, 103.2181

Trichromacy



Original Color

79.9314, 85.1616, 77.1908

Protanomaly

80.5560, 85.0675, 76.4639

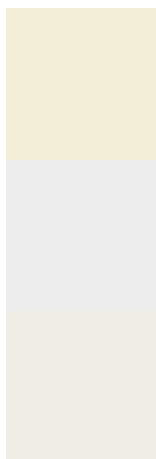
Deuteranomaly

82.8113, 85.2536, 81.9030

Tritanomaly

83.1470, 85.1825, 92.9485

Monochromacy



Original Color

79.9314, 85.1616, 77.1908

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.0236, 84.5762, 86.2359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9314, 85.1616, 77.1908 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(243, 238, 216) looks like.

```
.text, #text, p{  
    color:rgb(243, 238, 216)  
}
```

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(243, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 238, 216) }
```

Border

The CSS property to change the border of an element to XYZ 79.9314, 85.1616, 77.1908 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(243, 238, 216) }
```


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

```
.border{ border-color:rgb(243, 238, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 238, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(243, 238, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(243, 238, 216); box-shadow:4px 4px 4px 4px rgb(243, 238, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9314, 85.1616, 77.1908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 238, 216) }
```

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

```
.background{ background-color: rgb(243,  
238, 216) }
```

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