

Converting Colors

XYZ(79.5365, 84.8055, 78.1184)

Have a look what the booklet for
XYZ(79.5365, 84.8055, 78.1184)
contains.

XYZ(79.7169, 85.0361, 77.8577)	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(79.7169, 85.0361,
77.8577)**

Conversions

Conversions Part 1

Format	Color
Hex	F2EED9
RGB	242, 238, 217
RGB Percent	95%, 93%, 85%
CMY	0.0510, 0.0666, 0.1490
CMYK	0.00, 0.02, 0.10, 0.05
HSL	50°, 49%, 90%
HSV	50°, 10%, 95%
XYZ	79.7169, 85.0361, 77.8577
YIQ	236.8020, 9.1250, -5.6830

Conversions

Conversions Part 2

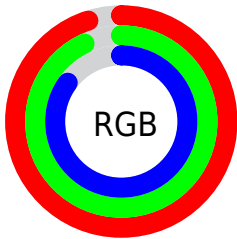
Format	Color
R_{YB}	222, 242, 217
Decimal	15920857
CIE _{Lab}	93.90, -2.17, 10.64
CIE _{LCh}	94, 10.855, 101.549
Yxy	85.0361, 0.3286, 0.3505
Android (android.graphics.Color)	4294110937 (0xFFFF2EED9)
YUV	236.8020, -9.7624, 4.5586
Hunter-Lab	92.2150, -7.0688, 14.4916

Details

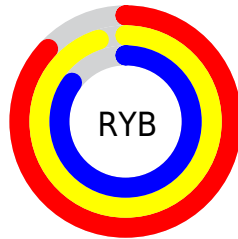
The XYZ color **79.7169, 85.0361, 77.8577** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.4986, 72.8741, 94.3557**, and the grayscale version is **80.4138, 84.6016, 92.1311**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4992, 46.5036, 40.8659** is the 20% darker color. If you saturate the color by 10%, you get **75.6841, 81.6434, 62.1059**, and if you desaturate by 10%, it is **84.2402, 88.6693, 96.0522**.

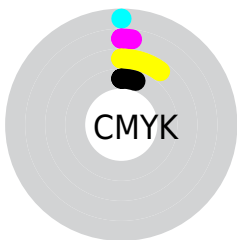
Distribution



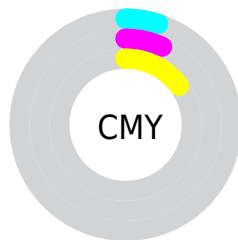
- Red (95%)
- Green (93%)
- Blue (85%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (5%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7169, 85.0361, 77.8577 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 79.7169, 85.0361, 77.8577 by changing the saturation by 10% instead.

79.7169, 85.0361,
77.8577

79.7169, 85.0361,
77.8577

482.7293,
511.7475, 507.1985

59.7931, 63.8712,
57.4413

131.9203,
140.4236, 132.1335

43.5007, 46.5464,
40.9480

164.9305,
175.4150, 166.8301

30.4744, 32.6772,
27.9590

203.0336,
215.7841, 207.1238

20.3488, 21.8793,
18.0560

246.5949,
261.9151, 253.4332

12.7586, 13.7682,
10.8203

295.9798,
314.1926, 306.1769

7.3384, 7.9596,
5.8335

351.5536,

3.7228, 4.0691,

373.0009, 365.7733

2.6770

413.6816,
438.7244, 432.6410

■ 1.5465, 1.7123,
0.9318

■ 0.3572, 0.4316,
0.0000

■ 79.7169, 85.0361,
77.8577

■ 79.7169, 85.0361,
77.8577

■ 75.6841, 81.6434,
62.1059

■ 84.2402, 88.6693,
96.0522

■ 72.1147, 78.4717,
48.6860

■ 87.5453, 91.8514,
107.7227

■ 68.9894, 75.5158,
37.4866

■ 88.7323, 94.2255,
108.1184

■ 66.2847, 72.7662,
28.3851

■ 89.9440, 96.6488,
108.5223

■ 63.9749, 70.2124,
21.2471

■ 90.4283, 97.6174,
108.6837

■ 62.0314, 67.8425,
15.9224

■ 60.4215, 65.6432,
12.2392

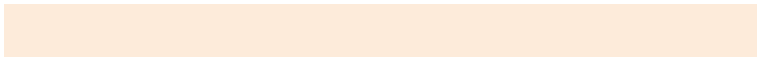
■ 59.1060, 63.5988,
9.9924

■ 58.0515, 61.7438,
8.8581

Harmonies

Analogous

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



82.5956, 85.0361, 78.3002



79.7169, 85.0361, 77.8577



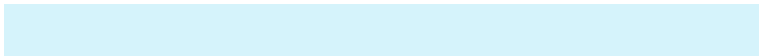
77.1946, 85.0361, 81.1840

Triad

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



79.7169, 85.0361, 77.8577



76.7369, 85.0361, 103.5506



86.2104, 85.0361, 97.7180

Complementary

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



79.7169, 85.0361, 77.8577



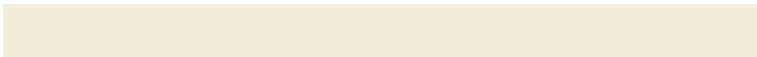
70.4986, 72.8741, 94.3557

Split Complementary

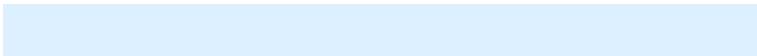
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5659, 85.0361, 105.0168



79.7169, 85.0361, 77.8577



79.0785, 85.0361, 108.5201

Square

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



79.7169, 85.0361, 77.8577



75.5017, 85.0361, 95.8125



81.9418, 85.0361, 109.0722



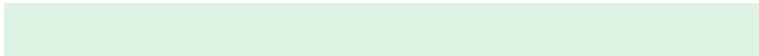
86.3913, 85.0361, 89.4403

Rectangle

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



79.7169, 85.0361, 77.8577



76.0367, 85.0361, 85.2139



81.9418, 85.0361, 109.0722



85.8087, 85.0361, 100.3797

Sweetspot

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



79.7192, 85.0398, 77.8595



93.4538, 98.7395, 102.4122



74.5052, 73.7335, 78.8294



19.9135, 21.0631, 21.5586



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.



79.7192, 85.0398, 77.8595



88.9686, 95.1030, 84.4733



78.0999, 85.9511, 78.1208



16.8953, 18.0037, 16.7343



31.2698, 33.3377, 4.7867



2.6584, 2.8874, 0.4172

Inverse Universe

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



70.4986, 72.8741, 94.3557



77.0143, 79.3306, 105.8610



71.9963, 72.0989, 94.1272



15.1013, 15.6366, 19.9439



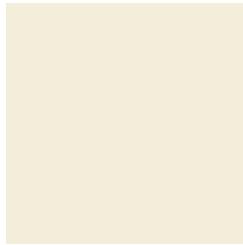
9.0576, 4.3395, 45.4881



0.8136, 0.4811, 3.8042

Previews

White Background



This preview shows how the XYZ color 79.7169, 85.0361, 77.8577 looks on a white background.

Color Contrast Check

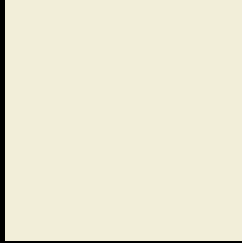
Large Text (above 18pt) WCAG AA × Fail

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 79.7169, 85.0361, 77.8577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

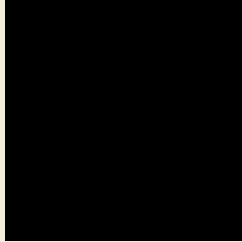
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

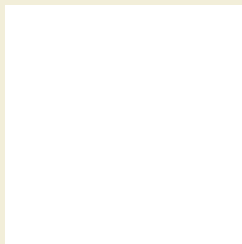
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.7169, 85.0361, 77.8577

Background



This preview shows how black text looks on a background with the XYZ color 79.7169, 85.0361, 77.8577.

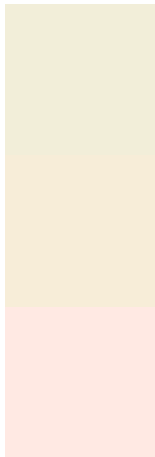


This preview shows how white text looks on a background with the XYZ color 79.7169, 85.0361,

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

79.7169, 85.0361, 77.8577

Protanopia

81.0366, 85.3004, 77.1593

Deuteranopia

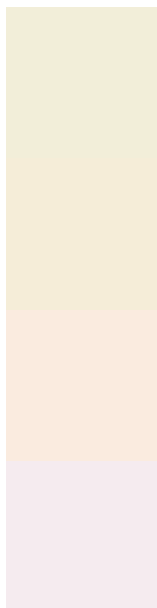
84.2440, 85.0839, 84.6557



Tritanopia

84.9093, 85.0170, 103.2015

Trichromacy



Original Color

79.7169, 85.0361, 77.8577

Protanomaly

80.3350, 84.9387, 77.1264

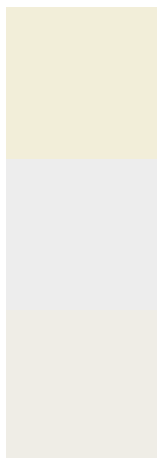
Deuteranomaly

82.4520, 85.0684, 81.8862

Tritanomaly

82.9445, 85.0611, 93.7082

Monochromacy



Original Color

79.7169, 85.0361, 77.8577

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.1637, 84.6323, 86.9735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7169, 85.0361, 77.8577 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(242, 238, 217) looks like.

```
.text, #text, p{  
    color:rgb(242, 238, 217)  
}
```

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(242, 238, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 238, 217) }
```

Border

The CSS property to change the border of an element to XYZ 79.7169, 85.0361, 77.8577 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(242, 238, 217) }
```


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

```
.border{ border-color:rgb(242, 238, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 238, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 238, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 238, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 238,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7169, 85.0361, 77.8577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 238, 217) }
```

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

```
.background{ background-color: rgb(242,  
238, 217) }
```

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