

Converting Colors

XYZ(98.7570, 100.0000,
90.8433)

Have a look what the booklet for
XYZ(98.7570, 100.0000, 90.8433)
contains.

XYZ(90.1336, 95.5144, 90.7764)	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(90.1336, 95.5144,
90.7764)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFAE9
RGB	255, 250, 233
RGB Percent	100%, 98%, 91%
CMY	0.0000, 0.0196, 0.0863
CMYK	0.00, 0.02, 0.09, 0.00
HSL	46°, 100%, 96%
HSV	46°, 9%, 100%
XYZ	90.1336, 95.5144, 90.7764
YIQ	249.5570, 8.4370, -4.2270

Conversions

Conversions Part 2

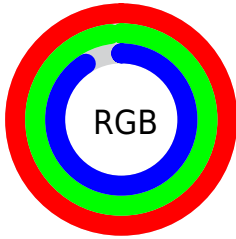
Format	Color
R_{YB}	239, 255, 233
Decimal	16775913
CIE _{Lab}	98.24, -1.18, 8.73
CIE _{LCh}	98, 8.808, 97.686
Yxy	95.5144, 0.3261, 0.3455
Android (android.graphics.Color)	4294965993 (0xFFFFFAE9)
YUV	249.5570, -8.1626, 4.7735
Hunter-Lab	97.7315, -6.4071, 13.3414

Details

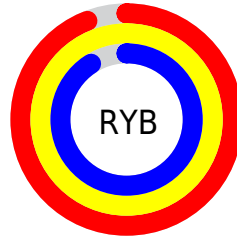
The XYZ color 90.1336, 95.5144, 90.7764 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 82.2282, 85.6905, 106.8138, and the grayscale version is 90.5631, 95.2795, 103.7593.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.5163, 53.7637, 49.3099 is the 20% darker color. If you saturate the color by 10%, you get 84.9801, 90.6218, 72.3665, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

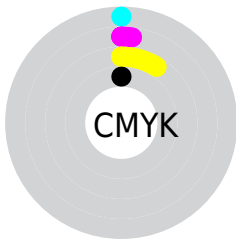
Distribution



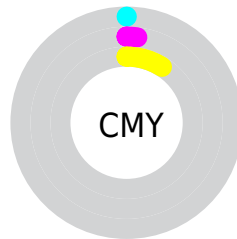
- Red (100%)
- Green (98%)
- Blue (91%)



- Red (94%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 90.1336, 95.5144, 90.7764 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 90.1336, 95.5144, 90.7764 by changing the saturation by 10% instead.


 90.1336, 95.5144,
90.7764

 90.1336, 95.5144,
90.7764


516.6968,
545.8105, 551.1884

 68.4281, 72.5632,
68.0474

146.4014,
154.9751, 150.3613

 50.5210, 53.6189,
49.4694

181.6943,
192.2533, 188.0543

 36.0471, 38.2970,
34.6238


222.2472,
235.0760, 231.5724

 24.6408, 26.2133,
23.0920

268.4252,
283.8276, 281.3342

 15.9370, 16.9833,
14.4555

320.5939,
338.8925, 337.7581

 9.5701, 10.2226,
8.2958

379.1184,

 5.1749, 5.5468,

400.6550, 401.2628

4.1943

444.3643,
469.4995, 472.2667

■ 2.3861, 2.5715,
1.7325

■ 0.8382, 0.9124,
0.3829

■ 90.1336, 95.5144,
90.7764

■ 90.1336, 95.5144,
90.7764

■ 84.9801, 90.6218,
72.3665

95.0500, 100.0000,
108.9000

■ 80.3831, 86.0364,
56.6270

■ 76.3204, 81.7514,
43.4329

■ 72.7652, 77.7554,
32.6466

■ 69.6885, 74.0360,
24.1176

■ 67.0581, 70.5794,
17.6786

■ 64.8372, 67.3701,
13.1386

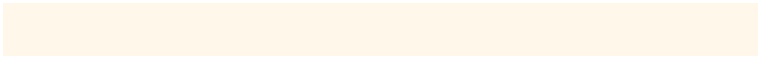
■ 62.9824, 64.3899,
10.2715

■ 61.4320, 61.6133,
8.7553

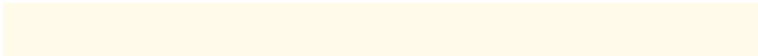
Harmonies

Analogous

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



92.6458, 95.5144, 91.6187



90.1336, 95.5144, 90.7764



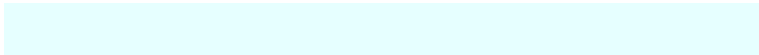
87.8379, 95.5144, 93.3442

Triad

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



90.1336, 95.5144, 90.7764



86.9827, 95.5144, 112.7633



95.3652, 95.5144, 109.3865

Complementary

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



90.1336, 95.5144, 90.7764



82.2282, 85.6905, 106.8138

Split Complementary

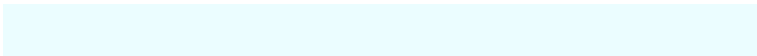
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.7944, 95.5144, 115.4351



90.1336, 95.5144, 90.7764



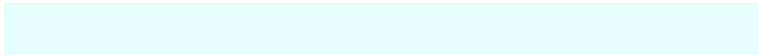
88.9465, 95.5144, 117.4471

Square

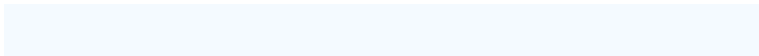
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.1336, 95.5144, 90.7764



86.0409, 95.5144, 105.8761



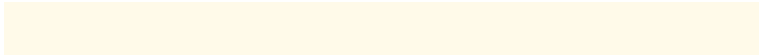
91.4367, 95.5144, 118.4469



95.6974, 95.5144, 102.1442

Rectangle

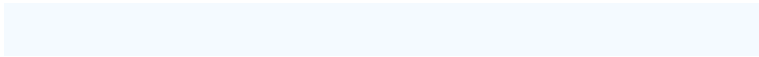
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1336, 95.5144, 90.7764



86.7285, 95.5144, 96.7179



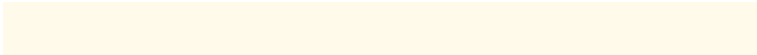
91.4367, 95.5144, 118.4469



94.9632, 95.5144, 111.6366

Sweetspot

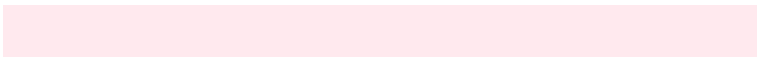
The Sweet Spot groups the original color and five complimentary colors.



90.1358, 95.5183, 90.7784



93.2911, 98.4140, 102.3580



85.8319, 85.7199, 93.0145



19.8694, 20.9750, 21.5439



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.



90.1358, 95.5183, 90.7784



89.3938, 94.8271, 88.0872



89.5829, 97.5676, 91.2031



19.1910, 20.3501, 19.0608



32.1127, 32.2365, 4.5298



3.2081, 3.3016, 0.4682

Inverse Universe

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



82.2282, 85.6905, 106.8138



80.3140, 83.5426, 106.5001



82.7415, 83.8267, 106.4270



17.3375, 18.0466, 22.8195



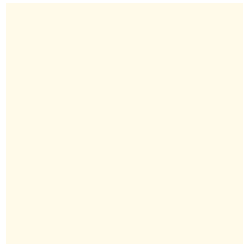
10.3106, 5.5308, 49.9587



1.0818, 0.6942, 4.8903

Previews

White Background



This preview shows how the XYZ color 90.1336, 95.5144, 90.7764 looks on a white background.

Color Contrast Check

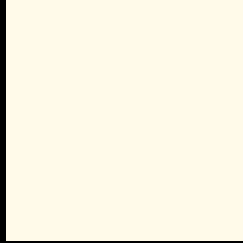
Large Text (above 18pt) WCAG AA × Fail

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 90.1336, 95.5144, 90.7764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

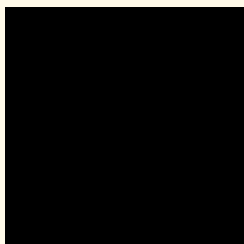
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 90.1336, 95.5144, 90.7764

Background



This preview shows how black text looks on a background with the XYZ color 90.1336, 95.5144, 90.7764.

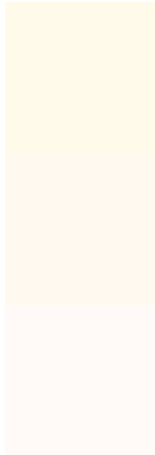


This preview shows how white text looks on a background with the XYZ color 90.1336, 95.5144,

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

90.1336, 95.5144, 90.7764

Protanopia

90.8439, 95.3026, 96.0453

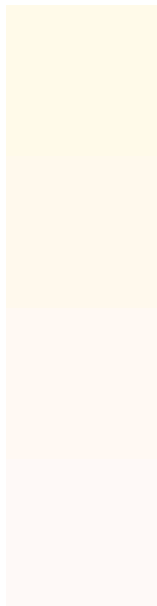
Deuteranopia

92.0590, 95.7887, 102.4440

Tritanopia

92.1254, 95.2374, 108.1349

Trichromacy



Original Color

90.1336, 95.5144, 90.7764

Protanomaly

90.4017, 95.1258, 93.7172

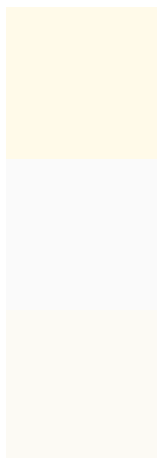
Deuteranomaly

91.2933, 95.4824, 98.4123

Tritanomaly

91.5372, 95.5376, 101.6118

Monochromacy



Original Color

90.1336, 95.5144, 90.7764

Achromatopsia

90.8653, 95.5973, 104.1055

Achromatomaly

90.6596, 95.5983, 99.2620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 90.1336, 95.5144, 90.7764 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(255, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 233)  
}
```

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(255, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 233) }
```

Border

The CSS property to change the border of an element to XYZ 90.1336, 95.5144, 90.7764 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(255, 250, 233) }
```


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

```
.border{ border-color:rgb(255, 250, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 90.1336, 95.5144, 90.7764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 233) }
```

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

```
.background{ background-color: rgb(255,  
250, 233) }
```

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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