

Converting Colors

XYZ(118.7302, 154.1857,
104.7482)

Have a look what the booklet for
XYZ(118.7302, 154.1857, 104.7482)
contains.

XYZ(90.6170, 98.0170, 95.0321) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(90.6170, 98.0170,
95.0321)**

Conversions

Conversions Part 1

Format	Color
Hex	FAFFEE
RGB	250, 255, 238
RGB Percent	98%, 100%, 93%
CMY	0.0196, 0.0000, 0.0667
CMYK	0.02, 0.00, 0.07, 0.00
HSL	78°, 100%, 97%
HSV	78°, 7%, 100%
XYZ	90.6170, 98.0170, 95.0321
YIQ	251.5670, 2.4770, -6.3470

Conversions

Conversions Part 2

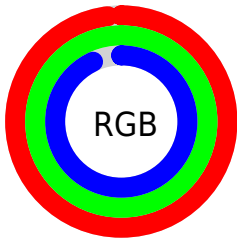
Format	Color
R_{YB}	238, 255, 243
Decimal	16449518
CIE _{Lab}	99.23, -4.56, 7.54
CIE _{LCh}	99, 8.812, 121.201
Yxy	98.0170, 0.3194, 0.3455
Android (android.graphics.Color)	4294639598 (0xFFFAFFEE)
YUV	251.5670, -6.6885, -1.3743
Hunter-Lab	99.0035, -9.8768, 12.3908

Details

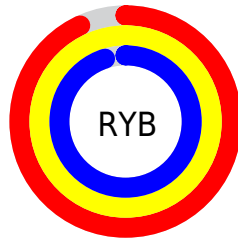
The XYZ color 90.6170, 98.0170, 95.0321 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.5874, 87.4249, 106.9715, and the grayscale version is 92.2180, 97.0205, 105.6553.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8857, 55.2349, 52.2354 is the 20% darker color. If you saturate the color by 10%, you get 84.4980, 95.2652, 76.5543, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

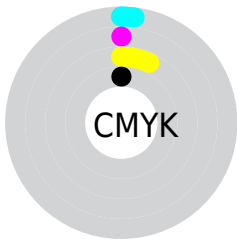
Distribution



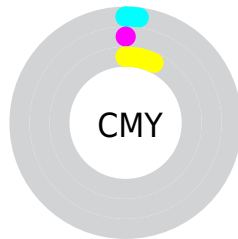
- Red (98%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (95%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 90.6170, 98.0170, 95.0321 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 90.6170, 98.0170, 95.0321 by changing the saturation by 10% instead.

90.6170, 98.0170,
95.0321

90.6170, 98.0170,
95.0321

518.2439,
553.7792, 565.2547

68.8305, 74.6486,
71.5647

147.0691,
158.4262, 156.3049

50.8498, 55.3250,
52.3185

182.4654,
196.2358, 194.9474

36.3096, 39.6620,
36.8750

223.1290,
239.6278, 239.4852

24.8446, 27.2751,
24.8157

269.4253,
288.9867, 290.3370

16.0895, 17.7799,
15.7220

321.7195,
344.6969, 347.9214

9.6787, 10.7921,
9.1754

380.3772,

5.2471, 5.9272,

407.1428, 412.6567

4.7574

445.7635,
476.7087, 484.9617

■ 2.4292, 2.8009,
2.0494

■ 0.8597, 1.0287,
0.5854

■ 90.6170, 98.0170,
95.0321

■ 90.6170, 98.0170,
95.0321

■ 84.4980, 95.2652,
76.5543

95.0500, 100.0000,
108.9000

■ 78.9923, 92.7709,
60.7580

■ 74.0758, 90.5243,
47.5195

■ 69.7216, 88.5145,
36.7036

■ 65.9003, 86.7296,
28.1627

■ 62.5796, 85.1566,
21.7333

■ 59.7228, 83.7806,
17.2298

■ 57.2874, 82.5844,
14.4345

■ 55.2199, 81.5466,
13.0738

Harmonies

Analogous

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



93.0583, 98.0170, 93.1464



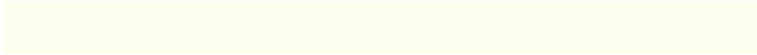
90.6170, 98.0170, 95.0321



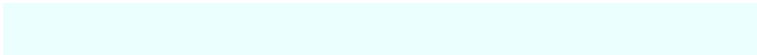
88.8842, 98.0170, 100.0279

Triad

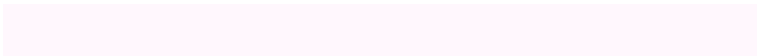
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.6170, 98.0170, 95.0321



90.7939, 98.0170, 119.6583



98.2081, 98.0170, 106.4264

Complementary

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



90.6170, 98.0170, 95.0321



85.5874, 87.4249, 106.9715

Split Complementary

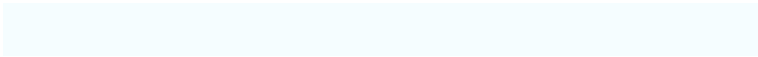
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.5754, 98.0170, 113.7121



90.6170, 98.0170, 95.0321



93.2662, 98.0170, 121.5605

Square

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



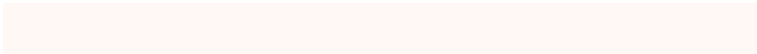
90.6170, 98.0170, 95.0321



88.9850, 98.0170, 114.2509



95.7547, 98.0170, 119.3373



97.4682, 98.0170, 99.5349

Rectangle

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



90.6170, 98.0170, 95.0321



88.3474, 98.0170, 104.5664



95.7547, 98.0170, 119.3373



98.1488, 98.0170, 108.9108

Sweetspot

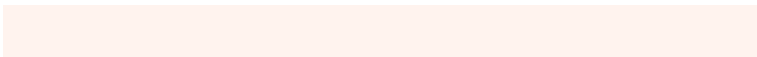
The Sweet Spot groups the original color and five complimentary colors.



90.6178, 98.0174, 95.0336



93.6900, 99.3925, 104.6070



88.6691, 91.4255, 93.8639



20.0678, 21.2805, 22.4351



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.



90.6178, 98.0174, 95.0336



89.7650, 97.6350, 92.4089



87.7028, 96.5147, 94.8972



19.0105, 20.8068, 19.1585



28.6789, 42.5226, 6.6961



2.9017, 4.1966, 0.6571

Inverse Universe

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



85.5874, 87.4249, 106.9715



83.7827, 85.0381, 106.6059



88.5231, 88.9384, 107.1089



17.5049, 17.6365, 22.7315



11.0758, 4.6202, 49.7426



1.1819, 0.5032, 4.8481

Previews

White Background



This preview shows how the XYZ color 90.6170, 98.0170, 95.0321 looks on a white background.

Color Contrast Check

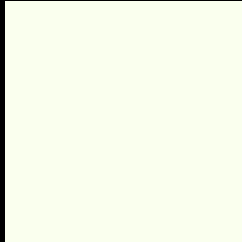
Large Text (above 18pt) WCAG AA × Fail

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 90.6170, 98.0170, 95.0321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

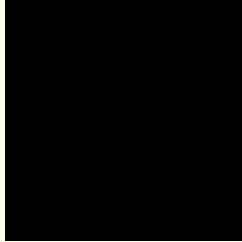
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 90.6170, 98.0170, 95.0321

Background



This preview shows how black text looks on a background with the XYZ color 90.6170, 98.0170, 95.0321.



This preview shows how white text looks on a background with the XYZ color 90.6170, 98.0170,

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

90.6170, 98.0170, 95.0321



Protanopia

92.9937, 97.6581, 102.7555

Deuteranopia

93.6211, 97.9091, 106.0594

Tritanopia

93.3684, 97.7235, 108.5492

Trichromacy



Original Color

90.6170, 98.0170, 95.0321

Protanomaly

91.9624, 97.6649, 99.5922

Deuteranomaly

92.4218, 97.8486, 102.0112

Tritanomaly

92.3690, 97.7856, 103.6287

Monochromacy



Original Color

90.6170, 98.0170, 95.0321



Achromatopsia

92.5260, 97.3445, 106.0082

Achromatomaly

91.6974, 97.4752, 101.9773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 90.6170, 98.0170, 95.0321 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(250, 255, 238) looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 238)  
}
```

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(250, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 90.6170, 98.0170, 95.0321 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(250, 255, 238) }
```


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

```
.border{ border-color:rgb(250, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 90.6170, 98.0170, 95.0321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 238) }
```

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

```
.background{ background-color: rgb(250,  
255, 238) }
```

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