

Converting Colors

XYZ(96.9053, 100.0000,
88.6163)

Have a look what the booklet for
XYZ(96.9053, 100.0000, 88.6163)
contains.

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Color

**XYZ(90.1933, 96.5380,
88.0087)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFCE5
RGB	255, 252, 229
RGB Percent	100%, 99%, 90%
CMY	0.0000, 0.0117, 0.1020
CMYK	0.00, 0.01, 0.10, 0.00
HSL	53°, 100%, 95%
HSV	53°, 10%, 100%
XYZ	90.1933, 96.5380, 88.0087
YIQ	250.2750, 9.1710, -6.5170

Conversions

Conversions Part 2

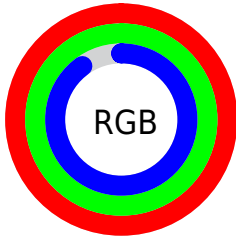
Format	Color
R_{YB}	232, 255, 229
Decimal	16776421
CIE _{Lab}	98.65, -2.82, 11.36
CIE _{LCh}	99, 11.708, 103.949
Yxy	96.5380, 0.3283, 0.3514
Android (android.graphics.Color)	4294966501 (0xFFFFFCE5)
YUV	250.2750, -10.4886, 4.1438
Hunter-Lab	98.2538, -8.0877, 15.6699

Details

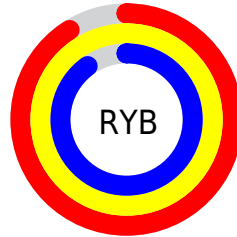
The XYZ color **90.1933, 96.5380, 88.0087** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.2191, 81.5890, 106.1807**, and the grayscale version is **91.1744, 95.9226, 104.4597**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.4438, 54.0920, 47.8265** is the 20% darker color. If you saturate the color by 10%, you get **85.9767, 93.3904, 70.3087**, and if you desaturate by 10%, it is **94.9516, 99.9314, 108.4720**.

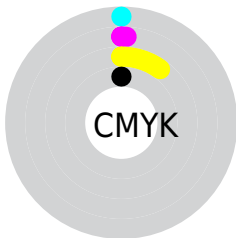
Distribution



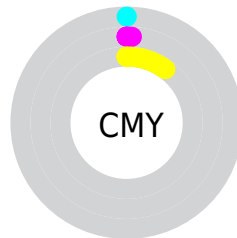
- Red (100%)
- Green (99%)
- Blue (90%)



- Red (91%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 90.1933, 96.5380, 88.0087 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 90.1933, 96.5380, 88.0087 by changing the saturation by 10% instead.


 90.1933, 96.5380,
88.0087

 90.1933, 96.5380,
88.0087


516.8880,
549.0771, 541.9338

 68.4778, 73.4157,
65.7659


146.4839,
156.3877, 146.4805

 50.5616, 54.3160,
47.6271


181.7896,
193.8839, 183.5466

 36.0795, 38.8543,
33.1738


222.3561,
236.9402, 226.3909

 24.6660, 26.6464,
21.9874

268.5488,
285.9410, 275.4319

 15.9558, 17.3078,
13.6494

320.7330,
341.2707, 331.0881

 9.5835, 10.4542,
7.7413

379.2740,

 5.1838, 5.7011,

403.3137, 393.7781

3.8445

444.5372,
472.4544, 463.9205

■ 2.3914, 2.6642,
1.5404

■ 0.8408, 0.9591,
0.2478

■ 90.1933, 96.5380,
88.0087

■ 90.1933, 96.5380,
88.0087

■ 85.9767, 93.3904,
70.3087

94.9516, 99.9314,
108.4720

■ 82.2725, 90.4673,
55.2462

95.0500, 100.0000,
108.9000

■ 79.0584, 87.7628,
42.6948

■ 76.3078, 85.2663,
32.5155

■ 73.9919, 82.9659,
24.5555

■ 72.0780, 80.8488,
18.6443

■ 70.5292, 78.8997,
14.5866

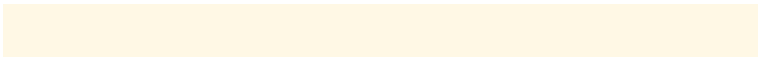
■ 69.3009, 77.1011,
12.1493

■ 68.3376, 75.4552,
10.9625

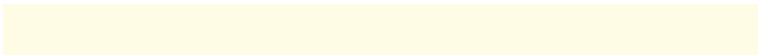
Harmonies

Analogous

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



93.5715, 96.5380, 88.1663



90.1933, 96.5380, 88.0087



87.3043, 96.5380, 92.2317

Triad

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



90.1933, 96.5380, 88.0087



87.1408, 96.5380, 118.6163



98.1677, 96.5380, 110.3626

Complementary

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



90.1933, 96.5380, 88.0087



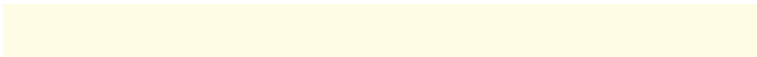
79.2191, 81.5890, 106.1807

Split Complementary

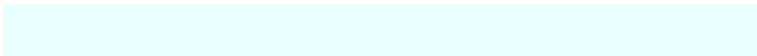
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.3575, 96.5380, 119.1421



90.1933, 96.5380, 88.0087



89.9651, 96.5380, 124.1041

Square

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



90.1933, 96.5380, 88.0087



85.5715, 96.5380, 109.6805



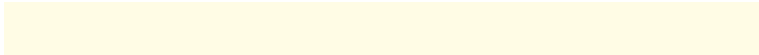
93.3376, 96.5380, 124.3022



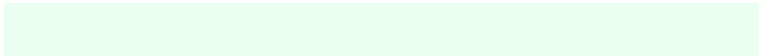
98.2325, 96.5380, 100.6750

Rectangle

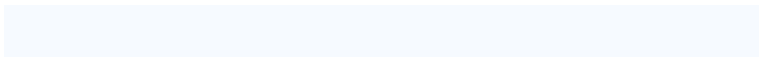
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1933, 96.5380, 88.0087



86.0212, 96.5380, 97.1224



93.3376, 96.5380, 124.3022



97.7412, 96.5380, 113.5313

Sweetspot

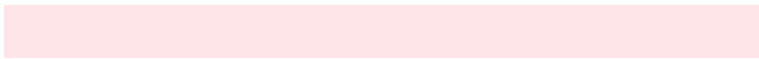
The Sweet Spot groups the original color and five complimentary colors.



90.1955, 96.5420, 88.0108



93.5622, 98.9563, 102.4483



83.8303, 83.1278, 87.9969



19.9429, 21.1218, 21.5684



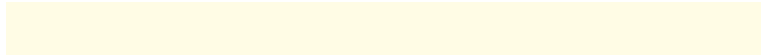
0.0000, 0.0000, 0.0000



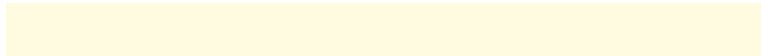
20.3446, 21.4041, 23.3091

Same Dimension

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



90.1955, 96.5420, 88.0108



89.3951, 95.9559, 84.6155



87.5712, 96.5958, 88.1595



19.3721, 20.7124, 19.1212



35.7791, 39.5694, 5.7519



3.5322, 3.9498, 0.5762

Inverse Universe

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



79.2191, 81.5890, 106.1807



76.6370, 78.5761, 105.7352



81.6556, 81.6048, 106.0553



17.1714, 17.7144, 22.7641



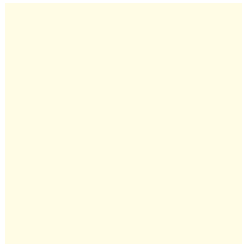
9.7189, 4.3473, 49.7615



0.9980, 0.5267, 4.8623

Previews

White Background



This preview shows how the XYZ color 90.1933, 96.5380, 88.0087 looks on a white background.

Color Contrast Check

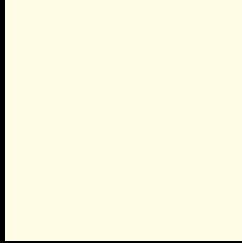
Large Text (above 18pt) WCAG AA × Fail

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 90.1933, 96.5380, 88.0087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

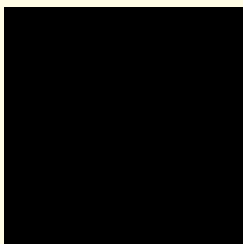
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 90.1933, 96.5380, 88.0087

Background



This preview shows how black text looks on a background with the XYZ color 90.1933, 96.5380, 88.0087.



This preview shows how white text looks on a background with the XYZ color 90.1933, 96.5380,

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

90.1933, 96.5380, 88.0087

Protanopia

91.7642, 96.6652, 97.8262

Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

92.7436, 96.4739, 108.3409

Trichromacy



Original Color

90.1933, 96.5380, 88.0087

Protanomaly

91.0232, 96.3688, 93.9244

Deuteranomaly

91.7642, 96.6652, 97.8262

Tritanomaly

92.0048, 96.7190, 101.0082

Monochromacy



Original Color

90.1933, 96.5380, 88.0087



Achromatopsia

90.8653, 95.5973, 104.1055



Achromatomaly

90.6691, 96.1006, 97.7749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 90.1933, 96.5380, 88.0087 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, 252, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 229)  
}
```

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, 252, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 229) }
```

Border

The CSS property to change the border of an element to XYZ 90.1933, 96.5380, 88.0087 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, 252, 229) }
```


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

```
.border{ border-color:rgb(255, 252, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 90.1933, 96.5380, 88.0087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 229) }
```

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

```
.background{ background-color: rgb(255,  
252, 229) }
```

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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