

Converting Colors

XYZ(87.9568, 100.0000,
66.8328)

Have a look what the booklet for
XYZ(87.9568, 100.0000, 66.8328)
contains.

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Color

**XYZ(86.2318, 96.3882,
66.2844)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFFC4
RGB	253, 255, 196
RGB Percent	99%, 100%, 77%
CMY	0.0078, 0.0000, 0.2314
CMYK	0.01, 0.00, 0.23, 0.00
HSL	62°, 100%, 88%
HSV	62°, 23%, 100%
XYZ	86.2318, 96.3882, 66.2844
YIQ	247.6760, 17.7470, -18.7730

Conversions

Conversions Part 2

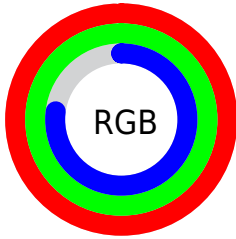
Format	Color
R_{YB}	196, 255, 198
Decimal	16646084
CIE _{Lab}	98.59, -9.87, 28.06
CIE _{LCh}	99, 29.743, 109.377
Yxy	96.3882, 0.3464, 0.3872
Android (android.graphics.Color)	4294836164 (0xFFFDFFC4)
YUV	247.6760, -25.4763, 4.6691
Hunter-Lab	98.1775, -15.0295, 28.6947

Details

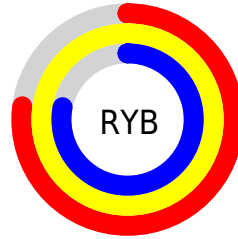
The XYZ color **86.2318, 96.3882, 66.2844** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.0796, 58.7069, 102.7201**, and the grayscale version is **89.1488, 93.7915, 102.1390**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **47.8415, 54.0769, 33.5076** is the 20% darker color. If you saturate the color by 10%, you get **83.2575, 95.1622, 52.2598**, and if you desaturate by 10%, it is **89.7017, 97.8126, 82.9099**.

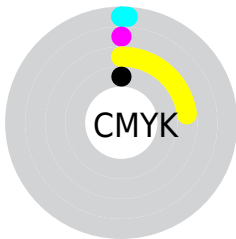
Distribution



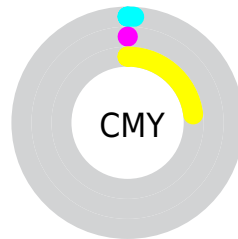
- Red (99%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (78%)



- Cyan (1%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.2318, 96.3882, 66.2844 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 86.2318, 96.3882, 66.2844 by changing the saturation by 10% instead.


 86.2318, 96.3882,
66.2844

 86.2318, 96.3882,
66.2844


504.1177,
548.5997, 465.8253

 65.1856, 73.2909,
48.0454


140.9981,
156.1811, 115.5253

 47.8768, 54.2139,
33.5026


175.4489,
193.6454, 147.3643

 33.9402, 38.7727,
22.2375


215.0985,
236.6676, 184.5736

 23.0103, 26.5829,
13.8315

260.3124,
285.6320, 227.5719

 14.7219, 17.2602,
7.8662

311.4560,
340.9230, 276.7777

 8.7095, 10.4202,
3.9229

368.8944,

 4.6078, 5.6784,

402.9251, 332.6095

1.5831

432.9932,
472.0225, 395.4858

■ 2.0514, 2.6506,
0.2787

■ 0.6626, 0.9521,
0.0000

■ 86.2318, 96.3882,
66.2844

■ 86.2318, 96.3882,
66.2844

■ 83.2575, 95.1622,
52.2598

■ 89.7017, 97.8126,
82.9099

■ 80.7527, 94.1242,
40.7006

■ 93.6892, 99.4442,
102.2542

■ 78.6906, 93.2634,
31.4655

■ 95.0500, 100.0000,
108.9000

■ 77.0414, 92.5679,
24.3971

■ 75.7714, 92.0243,
19.3184

■ 74.8419, 91.6171,
16.0250

■ 74.2055, 91.3272,
14.2680

■ 73.8915, 91.1775,
13.7045

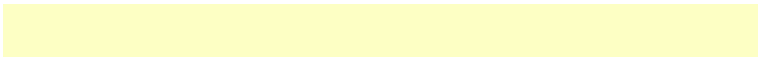
Harmonies

Analogous

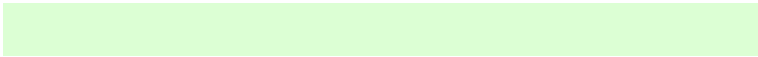
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6993, 96.3882, 64.9155



86.2318, 96.3882, 66.2844



79.6172, 96.3882, 77.0147

Triad

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



86.2318, 96.3882, 66.2844



81.2550, 96.3882, 145.1957



108.8633, 96.3882, 113.9335

Complementary

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



86.2318, 96.3882, 66.2844



61.0796, 58.7069, 102.7201

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.



104.7594, 96.3882, 138.9362



86.2318, 96.3882, 66.2844



88.5967, 96.3882, 158.7726

Square

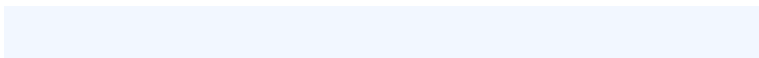
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



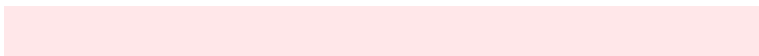
86.2318, 96.3882, 66.2844



76.8707, 96.3882, 121.4756



97.2158, 96.3882, 156.3177



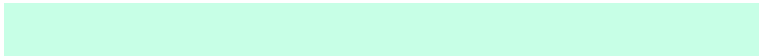
108.1314, 96.3882, 89.9962

Rectangle

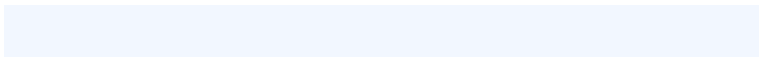
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2318, 96.3882, 66.2844



76.9804, 96.3882, 89.1244



97.2158, 96.3882, 156.3177



107.9939, 96.3882, 122.5469

Sweetspot

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



86.2322, 96.3883, 66.2858



92.0858, 98.7886, 94.4504



71.3910, 65.6195, 61.1290



19.6581, 21.1235, 19.9634



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

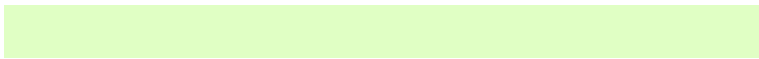
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2322, 96.3883, 66.2858



84.7251, 95.7679, 59.1474



76.3204, 91.2786, 65.8219



19.4968, 21.0575, 19.1813



38.6370, 47.6562, 7.1622



3.7803, 4.6496, 0.6982

Inverse Universe

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



61.0796, 58.7069, 102.7201



55.3621, 51.7766, 101.6837



69.6167, 63.1079, 103.1196



17.0599, 17.4071, 22.7107



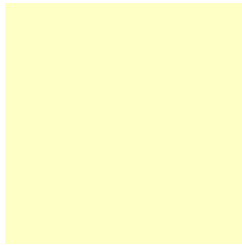
9.5127, 3.8144, 49.6695



0.9454, 0.3813, 4.8370

Previews

White Background



This preview shows how the XYZ color 86.2318, 96.3882, 66.2844 looks on a white background.

Color Contrast Check

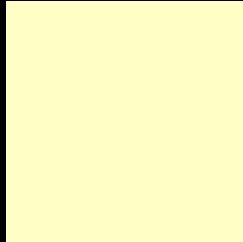
Large Text (above 18pt) WCAG AA × Fail

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 86.2318, 96.3882, 66.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

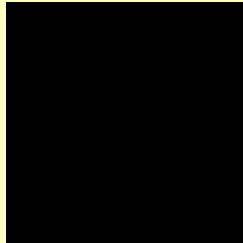
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.2318, 96.3882, 66.2844

Background



This preview shows how black text looks on a background with the XYZ color 86.2318, 96.3882, 66.2844.



This preview shows how white text looks on a background with the XYZ color 86.2318, 96.3882,

66.2844.

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

86.2318, 96.3882, 66.2844



Protanopia

91.3172, 96.4864, 95.4722

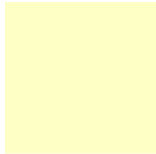
Deuteranopia

92.2141, 96.3466, 101.7322

Tritanopia

92.7987, 96.0422, 108.2547

Trichromacy



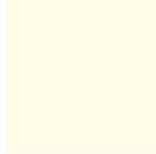
Original Color

86.2318, 96.3882, 66.2844



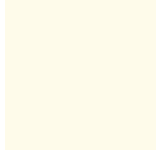
Protanomaly

89.0027, 96.0194, 83.6547



Deuteranomaly

89.6870, 96.2931, 87.2582



Tritanomaly

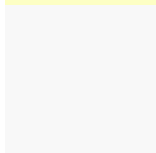
90.2215, 96.0057, 91.6177

Monochromacy



Original Color

86.2318, 96.3882, 66.2844



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.0644, 94.9755, 87.8194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.2318, 96.3882, 66.2844 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(253, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 196)  
}
```

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(253, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 86.2318, 96.3882, 66.2844 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(253, 255, 196) }
```


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

```
.border{ border-color:rgb(253, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 86.2318, 96.3882, 66.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 196) }
```

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

```
.background{ background-color: rgb(253,  
255, 196) }
```

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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