

Converting Colors

XYZ(86.7872, 96.6733, 66.3669)

Have a look what the booklet for
XYZ(86.7872, 96.6733, 66.3669)
contains.

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Color

**XYZ(86.5969, 96.5764,
66.3015)**

Conversions

Conversions Part 1

Format	Color
Hex	FEFFC4
RGB	254, 255, 196
RGB Percent	100%, 100%, 77%
CMY	0.0039, 0.0000, 0.2314
CMYK	0.00, 0.00, 0.23, 0.00
HSL	61°, 100%, 88%
HSV	61°, 23%, 100%
XYZ	86.5969, 96.5764, 66.3015
YIQ	247.9750, 18.3430, -18.5610

Conversions

Conversions Part 2

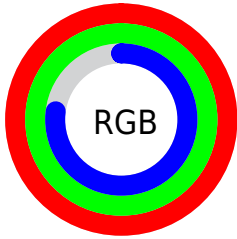
Format	Color
R_{YB}	196, 255, 197
Decimal	16711620
CIE _{Lab}	98.66, -9.51, 28.17
CIE _{LCh}	99, 29.733, 108.648
Y _{xy}	96.5764, 0.3471, 0.3871
Android (android.graphics.Color)	4294901700 (0xFFFEFFC4)
YUV	247.9750, -25.6237, 5.2839
Hunter-Lab	98.2733, -14.6868, 28.7904

Details

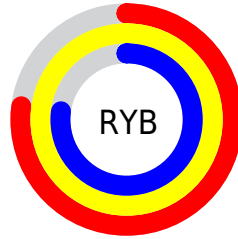
The XYZ color **86.5969, 96.5764, 66.3015** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.8168, 58.5714, 102.7078**, and the grayscale version is **89.3941, 94.0496, 102.4200**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **48.1025, 54.2115, 33.5198** is the 20% darker color. If you saturate the color by 10%, you get **83.7787, 95.4309, 52.2842**, and if you desaturate by 10%, it is **89.9097, 97.9198, 82.9196**.

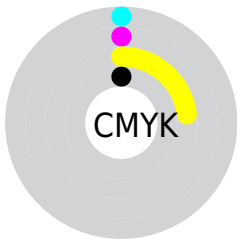
Distribution



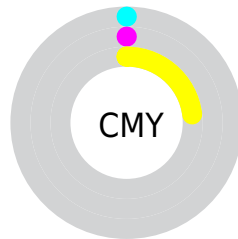
- Red (100%)
- Green (100%)
- Blue (77%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.5969, 96.5764, 66.3015 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 86.5969, 96.5764, 66.3015 by changing the saturation by 10% instead.


 86.5969, 96.5764,
66.3015

 86.5969, 96.5764,
66.3015


505.3018,
549.1994, 465.8880

 65.4886, 73.4477,
48.0592


141.5047,
156.4407, 115.5501

 48.1235, 54.3421,
33.5134


176.0349,
193.9450, 147.3934

 34.1364, 38.8753,
22.2457


215.7698,
237.0101, 184.6075

 23.1618, 26.6627,
13.8375

261.0747,
286.0202, 227.6109

 14.8344, 17.3201,
7.8703

312.3150,
341.3598, 276.8220

 8.7888, 10.4629,
3.9255

369.8561,

 4.6597, 5.7070,

403.4133, 332.6596

1.5846

434.0632,
472.5650, 395.5421

■ 2.0817, 2.6677,
0.2798

■ 0.6792, 0.9608,
0.0000

■ 86.5969, 96.5764,
66.3015

■ 86.5969, 96.5764,
66.3015

■ 83.7787, 95.4309,
52.2842

■ 89.9097, 97.9198,
82.9196

■ 81.4288, 94.4727,
40.7323

■ 93.7390, 99.4699,
102.2565

■ 79.5206, 93.6913,
31.5044

95.0500, 100.0000,
108.9000

■ 78.0242, 93.0746,
24.4431

■ 76.9060, 92.6093,
19.3715

■ 76.1272, 92.2797,
16.0851

■ 75.6405, 92.0670,
14.3352

■ 75.4286, 91.9699,
13.7765

Harmonies

Analogous

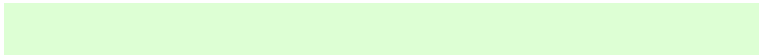
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.0928, 96.5764, 65.1592



86.5969, 96.5764, 66.3015



79.9099, 96.5764, 76.8196

Triad

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



86.5969, 96.5764, 66.3015



81.2766, 96.5764, 144.9444



109.0128, 96.5764, 114.7739

Complementary

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



86.5969, 96.5764, 66.3015



60.8168, 58.5714, 102.7078

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.



104.7993, 96.5764, 139.7209



86.5969, 96.5764, 66.3015



88.5704, 96.5764, 158.8707

Square

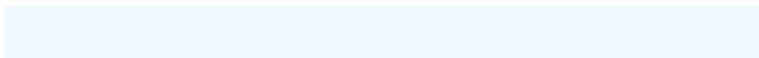
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



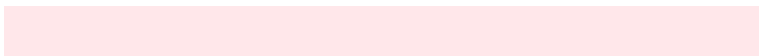
86.5969, 96.5764, 66.3015



76.9734, 96.5764, 121.0677



97.1928, 96.5764, 156.8221



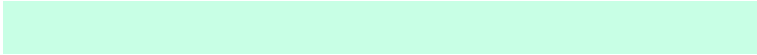
108.4021, 96.5764, 90.7021

Rectangle

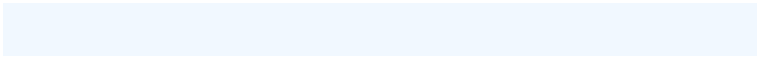
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.5969, 96.5764, 66.3015



77.2115, 96.5764, 88.8086



97.1928, 96.5764, 156.8221



108.1036, 96.5764, 123.3940

Sweetspot

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



86.5973, 96.5766, 66.3029



92.1968, 98.8459, 94.4556



71.1670, 65.1716, 61.0543



19.6839, 21.1368, 19.9646



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

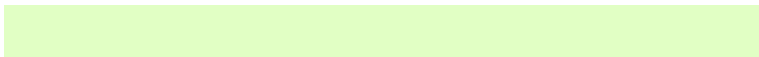
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5973, 96.5766, 66.3029



85.1663, 95.9953, 59.1681



76.6253, 91.4358, 65.8362



19.5290, 21.0741, 19.1828



39.4269, 48.0634, 7.1991



3.8482, 4.6846, 0.7014

Inverse Universe

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



60.8168, 58.5714, 102.7078



55.0692, 51.6256, 101.6700



69.3066, 62.9480, 103.1051



17.0315, 17.3924, 22.7094



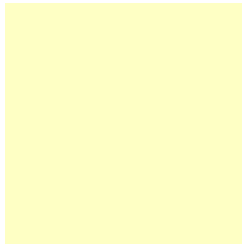
9.4721, 3.7935, 49.6676



0.9318, 0.3743, 4.8364

Previews

White Background



This preview shows how the XYZ color 86.5969, 96.5764, 66.3015 looks on a white background.

Color Contrast Check

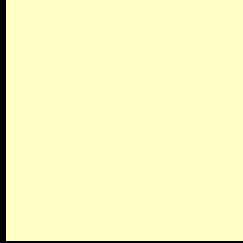
Large Text (above 18pt) WCAG AA × Fail

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 86.5969, 96.5764, 66.3015 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 86.5969, 96.5764, 66.3015

Background



This preview shows how black text looks on a background with the XYZ color 86.5969, 96.5764, 66.3015.



This preview shows how white text looks on a background with the XYZ color 86.5969, 96.5764,

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

86.5969, 96.5764, 66.3015



Protanopia

91.4654, 96.5456, 96.2525

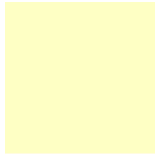
Deuteranopia

92.2141, 96.3466, 101.7322

Tritanopia

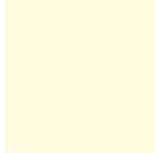
93.1087, 96.6620, 108.3580

Trichromacy



Original Color

86.5969, 96.5764, 66.3015



Protanomaly

89.5049, 96.2626, 84.3841



Deuteranomaly

90.0540, 96.4822, 87.2754



Tritanomaly

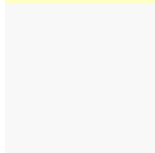
90.5347, 96.6322, 91.7221

Monochromacy



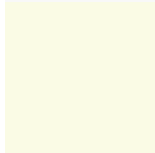
Original Color

86.5969, 96.5764, 66.3015



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 86.5969, 96.5764, 66.3015 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(254, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 86.5969, 96.5764, 66.3015 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(254, 255, 196) }
```


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

```
.border{ border-color:rgb(254, 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(254, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 86.5969, 96.5764, 66.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 196) }
```

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

```
.background{ background-color: rgb(254,  
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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