

# Converting Colors

XYZ(177.3080, 146.1048,  
67.1560)

Have a look what the booklet for  
XYZ(177.3080, 146.1048, 67.1560)  
contains.

<b>XYZ(86.1853, 96.4541, 62.2192)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(86.1853, 96.4541,  
62.2192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFBD
RGB	255, 255, 189
RGB Percent	100%, 100%, 74%
CMY	0.0000, 0.0000, 0.2588
CMYK	0.00, 0.00, 0.26, 0.00
HSL	60°, 100%, 87%
HSV	60°, 26%, 100%
XYZ	86.1853, 96.4541, 62.2192
YIQ	247.4760, 21.1860, -20.5260

# Conversions

## Conversions Part 2

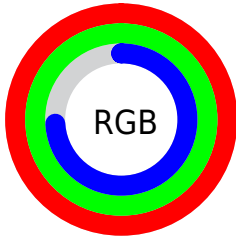
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 255, 189
Decimal	16777149
CIE <sub>Lab</sub>	98.61, -10.07, 31.64
CIE <sub>LCh</sub>	99, 33.205, 107.650
Yxy	96.4541, 0.3520, 0.3939
Android (android.graphics.Color)	4294967229 (0xFFFFFFFFBD)
YUV	247.4760, -28.8287, 6.5985
Hunter-Lab	98.2110, -15.2263, 31.1860

# Details

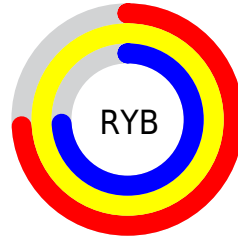
The XYZ color **86.1853, 96.4541, 62.2192** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.2350, 54.4354, 102.0982**, and the grayscale version is **89.0100, 93.6454, 101.9799**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **47.8560, 54.1432, 30.8501** is the 20% darker color. If you saturate the color by 10%, you get **83.6560, 95.4424, 48.8999**, and if you desaturate by 10%, it is **89.2019, 97.6608, 78.1042**.

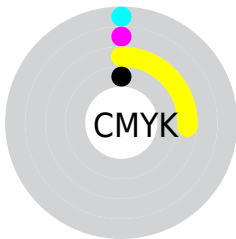
# Distribution



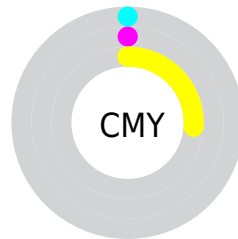
- Red (100%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.1853, 96.4541, 62.2192 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 86.1853, 96.4541, 62.2192 by changing the saturation by 10% instead.





 86.1853, 96.4541,  
62.2192

 86.1853, 96.4541,  
62.2192


503.9668,  
548.8097, 450.7599

 65.1470, 73.3458,  
44.7729


 140.9335,  
156.2720, 109.6169

 47.8454, 54.2588,  
30.9369


175.3742,  
193.7504, 140.4055

 33.9152, 38.8086,  
20.2928


215.0130,  
236.7876, 176.4785

 22.9911, 26.6109,  
12.4219

260.2153,  
285.7680, 218.2545

 14.7076, 17.2812,  
6.9056

311.3465,  
341.0760, 266.1522

 8.6994, 10.4352,  
3.3256

368.7719,

 4.6012, 5.6884,

403.0960, 320.5899

1.2632

432.8569,  
472.2125, 381.9863

■ 2.0475, 2.6566,  
0.0313

■ 0.6605, 0.9552,  
0.0000

■ 86.1853, 96.4541,  
62.2192

■ 86.1853, 96.4541,  
62.2192

■ 83.6560, 95.4424,  
48.8999

■ 89.2019, 97.6608,  
78.1042

■ 81.5876, 94.6150,  
38.0081

■ 92.7285, 99.0714,  
96.6753

■ 79.9527, 93.9611,  
29.3987

95.0500, 100.0000,  
108.9000

■ 78.7204, 93.4682,  
22.9095

■ 77.8559, 93.1224,  
18.3571

■ 77.3185, 92.9074,  
15.5271

■ 77.0576, 92.8030,  
14.1531

■ 77.0000, 92.7800,  
13.8500

# Harmonies

## Analogous

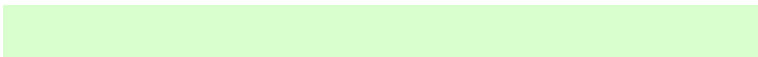
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.6877, 96.4541, 61.3298



86.1853, 96.4541, 62.2192



78.6823, 96.4541, 73.2420

# Triad

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



86.1853, 96.4541, 62.2192



79.7789, 96.4541, 149.2086



110.9464, 96.4541, 116.7576

# Complementary

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



86.1853, 96.4541, 62.2192



57.2350, 54.4354, 102.0982

# 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.



106.0284, 96.4541, 144.8768



86.1853, 96.4541, 62.2192



87.7794, 96.4541, 165.6928

# Square

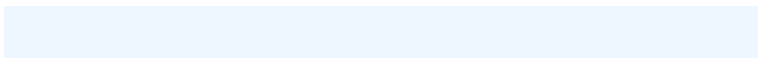
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1853, 96.4541, 62.2192



75.1652, 96.4541, 121.9058



97.3966, 96.4541, 163.9817



110.4448, 96.4541, 89.7741

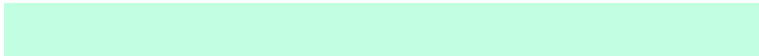


# Rectangle

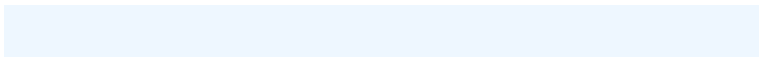
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1853, 96.4541, 62.2192



75.6204, 96.4541, 86.1490



97.3966, 96.4541, 163.9817



109.8587, 96.4541, 126.4681

# Sweetspot

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



86.1856, 96.4542, 62.2205



91.9377, 98.7551, 92.5106



68.6237, 61.3305, 56.3666



19.5613, 21.0908, 19.1843



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

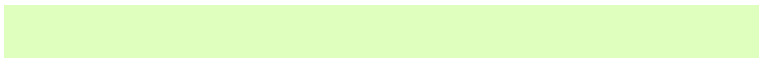
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1856, 96.4542, 62.2205



84.8315, 95.9126, 55.0902



75.0701, 90.7240, 61.7004



19.5613, 21.0908, 19.1843



40.2342, 48.4795, 7.2369



3.9175, 4.7203, 0.7046



# Inverse Universe

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



57.2350, 54.4354, 102.0982



51.4587, 47.4753, 101.0592



66.3727, 59.1460, 102.5258



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

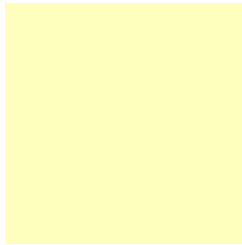


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 86.1853, 96.4541, 62.2192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

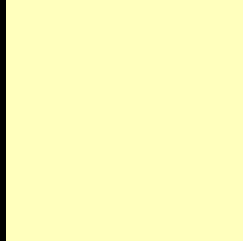
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.1853, 96.4541, 62.2192 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

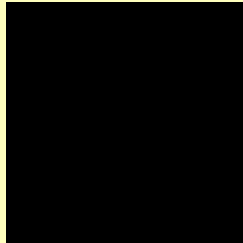
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 86.1853, 96.4541, 62.2192**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.1853, 96.4541, 62.2192.



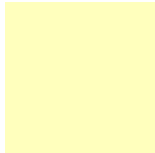
This preview shows how white text looks on a background with the XYZ color 86.1853, 96.4541,



# 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

86.1853, 96.4541, 62.2192

### Protanopia

91.3172, 96.4864, 95.4722

### Deuteranopia

92.2141, 96.3466, 101.7322

## **Tritanopia**

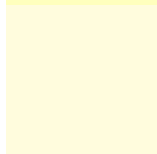
93.1657, 96.2314, 108.2719

# Trichromacy



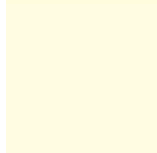
## Original Color

86.1853, 96.4541, 62.2192



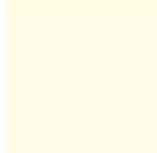
## Protanomaly

89.1015, 96.1013, 82.2599



## Deuteranomaly

89.7779, 96.3718, 85.8213



## Tritanomaly

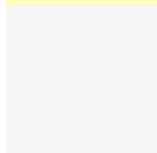
90.1610, 96.0239, 89.3838

# Monochromacy



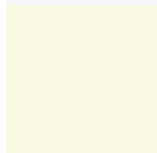
## Original Color

86.1853, 96.4541, 62.2192



## Achromatopsia

88.4070, 93.0111, 101.2891



## Achromatomaly

87.3374, 94.1862, 85.5281

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.1853, 96.4541, 62.2192 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, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 189)  
}
```

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, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 86.1853, 96.4541, 62.2192 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, 255, 189) }
```



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

```
.border{ border-color:rgb(255, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.1853, 96.4541, 62.2192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 189) }
```

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

```
.background{ background-color: rgb(255,  
255, 189) }
```

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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