

Converting Colors

XYZ(84.0358, 91.4549, 63.6611)

Have a look what the booklet for
XYZ(84.0358, 91.4549, 63.6611)
contains.

XYZ(84.1264, 91.6318, 63.7048)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.1264, 91.6318,
63.7048)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7C1
RGB	255, 247, 193
RGB Percent	100%, 97%, 76%
CMY	0.0000, 0.0313, 0.2431
CMYK	0.00, 0.03, 0.24, 0.00
HSL	52°, 100%, 88%
HSV	52°, 24%, 100%
XYZ	84.1264, 91.6318, 63.7048
YIQ	243.2360, 22.1020, -15.0980

Conversions

Conversions Part 2

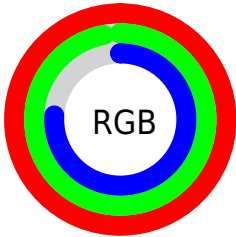
Format	Color
R_{YB}	202, 255, 193
Decimal	16775105
CIE _{Lab}	96.67, -5.58, 26.98
CIE _{LCh}	97, 27.552, 101.681
Yxy	91.6318, 0.3513, 0.3827
Android (android.graphics.Color)	4294965185 (0xFFFFF7C1)
YUV	243.2360, -24.7663, 10.3170
Hunter-Lab	95.7245, -10.6452, 27.5496

Details

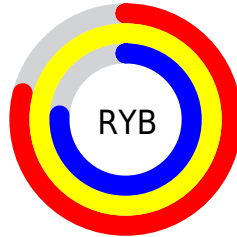
The XYZ color **84.1264, 91.6318, 63.7048** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.9285, 60.3290, 103.0411**, and the grayscale version is **85.5600, 90.0158, 98.0272**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **46.5797, 51.1315, 31.8404** is the 20% darker color. If you saturate the color by 10%, you get **80.5277, 88.6008, 49.6605**, and if you desaturate by 10%, it is **88.2378, 94.9025, 80.3420**.

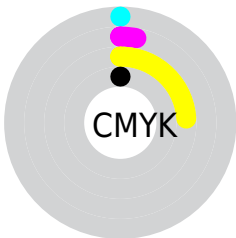
Distribution



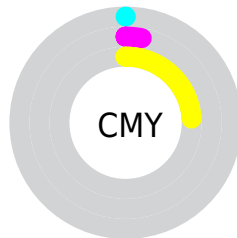
- Red (100%)
- Green (97%)
- Blue (76%)



- Red (79%)
- Yellow (100%)
- Blue (76%)



- Cyan (0%)
- Magenta (3%)
- Yellow (24%)
- Black (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.1264, 91.6318, 63.7048 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 84.1264, 91.6318, 63.7048 by changing the saturation by 10% instead.

84.1264, 91.6318,
63.7048

84.1264, 91.6318,
63.7048

497.2602,
533.3249, 456.3010

63.4399, 69.3348,
45.9670

138.0723,
149.6030, 111.7811

46.4571, 50.9845,
31.8713

172.0624,
186.0460, 142.9566

32.8128, 36.1962,
20.9992

211.2177,
227.9731, 179.4484

22.1417, 24.5858,
12.9322

255.9036,
275.7688, 221.6751

14.0782, 15.7687,
7.2517

306.4855,
329.8175, 270.0551

8.2571, 9.3606,
3.5392

363.3286,

4.3131, 4.9772,

390.5034, 325.0071

1.3761

426.7984,
458.2111, 386.9495

■ 1.8808, 2.2339,
0.1230

■ 0.5656, 0.7384,
0.0000

■ 84.1264, 91.6318,
63.7048

■ 84.1264, 91.6318,
63.7048

■ 80.5277, 88.6008,
49.6605

■ 88.2378, 94.9025,
80.3420

■ 77.4097, 85.7873,
38.0707

■ 92.8788, 98.4104,
99.6895

■ 74.7473, 83.1840,
28.7930

95.0500, 100.0000,
108.9000

■ 72.5101, 80.7787,
21.6682

■ 70.6638, 78.5576,
16.5164

■ 69.1687, 76.5046,
13.1289

■ 67.9762, 74.6001,
11.2501

■ 67.3938, 73.5675,
10.6479

Harmonies

Analogous

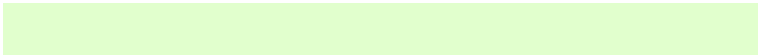
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8359, 91.6318, 64.6528



84.1264, 91.6318, 63.7048



77.6032, 91.6318, 71.3052

Triad

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



84.1264, 91.6318, 63.7048



76.4848, 91.6318, 130.7484



101.9369, 91.6318, 113.7183

Complementary

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



84.1264, 91.6318, 63.7048



60.9285, 60.3290, 103.0411

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.



97.3272, 91.6318, 134.9550



84.1264, 91.6318, 63.7048



82.5168, 91.6318, 145.7430

Square

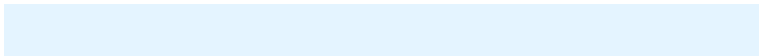
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1264, 91.6318, 63.7048



73.3685, 91.6318, 108.6159



90.1291, 91.6318, 147.3870



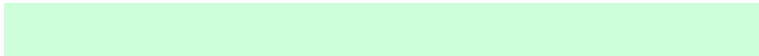
102.4311, 91.6318, 91.4207

Rectangle

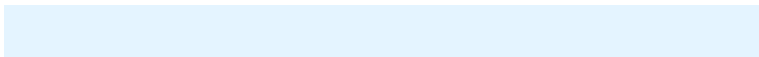
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1264, 91.6318, 63.7048



74.6848, 91.6318, 80.9573



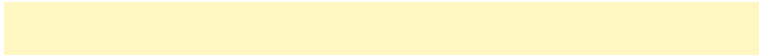
90.1291, 91.6318, 147.3870



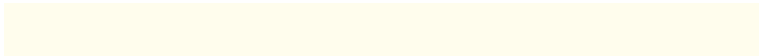
100.8052, 91.6318, 121.2956

Sweetspot

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



84.1286, 91.6358, 63.7067



91.5782, 97.4436, 94.2175



70.8847, 63.6305, 63.9700



19.5401, 20.8110, 19.9093



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

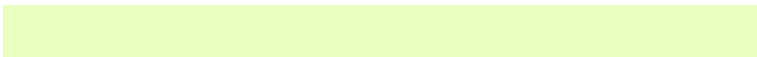
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1286, 91.6358, 63.7067



82.3790, 90.1851, 56.8086



78.7515, 92.5709, 64.1706



19.3497, 20.6675, 19.1137



35.2928, 38.5969, 5.5898



3.4897, 3.8647, 0.5620

Inverse Universe

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



60.9285, 60.3290, 103.0411



55.6581, 54.1305, 102.1225



65.3610, 59.9194, 102.7284



17.1917, 17.7551, 22.7709



9.7719, 4.4533, 49.7791



1.0075, 0.5458, 4.8655

Previews

White Background



This preview shows how the XYZ color 84.1264, 91.6318, 63.7048 looks on a white background.

Color Contrast Check

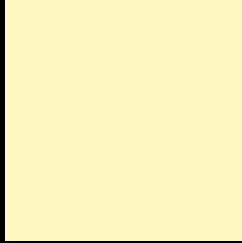
Large Text (above 18pt) WCAG AA × Fail

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 84.1264, 91.6318, 63.7048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

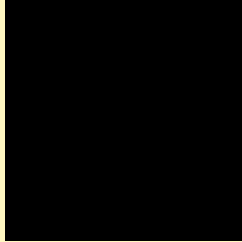
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.1264, 91.6318, 63.7048

Background



This preview shows how black text looks on a background with the XYZ color 84.1264, 91.6318, 63.7048.

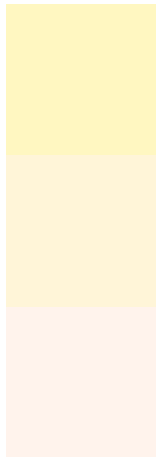


This preview shows how white text looks on a background with the XYZ color 84.1264, 91.6318,

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

84.1264, 91.6318, 63.7048

Protanopia

86.2871, 91.5227, 78.0836

Deuteranopia

88.4309, 91.4173, 92.3414



Tritanopia

90.5628, 91.7925, 105.0400

Trichromacy



Original Color

84.1264, 91.6318, 63.7048

Protanomaly

85.5809, 91.7256, 72.8687

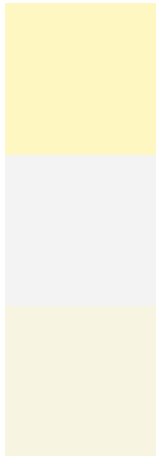
Deuteranomaly

86.5090, 91.1287, 80.7402

Tritanomaly

88.0145, 91.7309, 88.6683

Monochromacy



Original Color

84.1264, 91.6318, 63.7048

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.2991, 89.9118, 84.1458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.1264, 91.6318, 63.7048 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, 247, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 193)  
}
```

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, 247, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 193) }
```

Border

The CSS property to change the border of an element to XYZ 84.1264, 91.6318, 63.7048 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, 247, 193) }
```


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

```
.border{ border-color:rgb(255, 247, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 84.1264, 91.6318, 63.7048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 193) }
```

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

```
.background{ background-color: rgb(255,  
247, 193) }
```

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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