

Converting Colors

XYZ(85.4365, 93.3600, 48.0071)

Have a look what the booklet for
XYZ(85.4365, 93.3600, 48.0071)
contains.

XYZ(81.7265, 91.6557, 48.0342)	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(81.7265, 91.6557,
48.0342)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9A3
RGB	255, 249, 163
RGB Percent	100%, 98%, 64%
CMY	0.0000, 0.0235, 0.3608
CMYK	0.00, 0.02, 0.36, 0.00
HSL	56°, 100%, 82%
HSV	56°, 36%, 100%
XYZ	81.7265, 91.6557, 48.0342
YIQ	240.9900, 31.1820, -25.4740

Conversions

Conversions Part 2

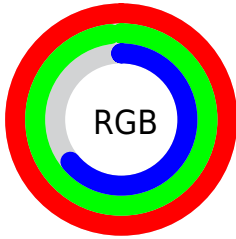
Format	Color
R_{YB}	169, 255, 163
Decimal	16775587
CIE _{Lab}	96.68, -10.23, 42.02
CIE _{LCh}	97, 43.251, 103.681
Yxy	91.6557, 0.3691, 0.4140
Android (android.graphics.Color)	4294965667 (0xFFFFF9A3)
YUV	240.9900, -38.4491, 12.2868
Hunter-Lab	95.7370, -15.1620, 37.2683

Details

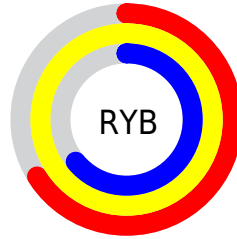
The XYZ color **81.7265, 91.6557, 48.0342** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.3420, 43.3812, 100.4859**, and the grayscale version is **83.8792, 88.2474, 96.1014**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **44.9104, 51.1360, 22.2551** is the 20% darker color. If you saturate the color by 10%, you get **79.1580, 89.8136, 37.0201**, and if you desaturate by 10%, it is **84.7649, 93.6995, 61.4797**.

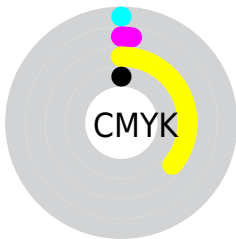
Distribution



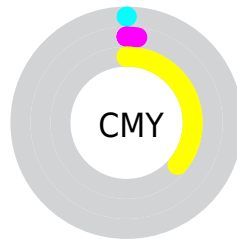
- Red (100%)
- Green (98%)
- Blue (64%)



- Red (66%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7265, 91.6557, 48.0342 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 81.7265, 91.6557, 48.0342 by changing the saturation by 10% instead.


 81.7265, 91.6557,
48.0342


 81.7265, 91.6557,
48.0342


489.3808,
533.4022, 395.4403

 61.4535, 69.3547,
33.4938


 134.7282,
149.6361, 88.6214

 44.8452, 51.0006,
22.2308


 168.1876,
186.0843, 115.5053

 31.5362, 36.2091,
13.8266

206.7732,
228.0170, 147.3407

 21.1613, 24.5957,
7.8628

250.8502,
275.8186, 184.5462

 13.3551, 15.7761,
3.9208

300.7842,
329.8736, 227.5404

 7.7522, 9.3659,
1.5820

356.9403,

 3.9873, 4.9806,

390.5662, 276.7418

0.2779

419.6841,
458.2810, 332.5689

■ 1.6949, 2.2359,
0.0000

■ 0.4531, 0.7394,
0.0000

■ 81.7265, 91.6557,
48.0342

■ 81.7265, 91.6557,
48.0342

■ 79.1580, 89.8136,
37.0201

■ 84.7649, 93.6995,
61.4797

■ 77.0245, 88.1494,
28.2849

■ 88.2917, 95.9428,
77.4854

■ 75.2976, 86.6552,
21.6682

■ 92.3331, 98.3992,
96.1776

■ 73.9422, 85.3167,
16.9859

95.0500, 100.0000,
108.9000

■ 72.9176, 84.1178,
14.0227

■ 72.1728, 83.0379,
12.5112

■ 71.9275, 82.6350,
12.1592

Harmonies

Analogous

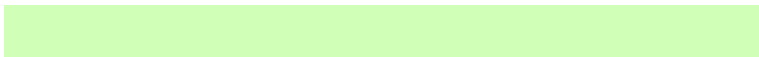
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8203, 91.6557, 48.5235



81.7265, 91.6557, 48.0342



72.0107, 91.6557, 58.9387

Triad

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



81.7265, 91.6557, 48.0342



71.3456, 91.6557, 153.2719



111.4150, 91.6557, 119.7217

Complementary

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



81.7265, 91.6557, 48.0342



47.3420, 43.3812, 100.4859

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.



104.1985, 91.6557, 156.1779



81.7265, 91.6557, 48.0342



80.7389, 91.6557, 178.4060

Square

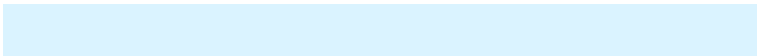
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7265, 91.6557, 48.0342



66.4031, 91.6557, 116.4070



92.7374, 91.6557, 179.5782



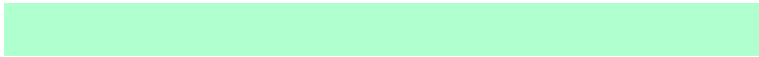
111.7420, 91.6557, 84.8482

Rectangle

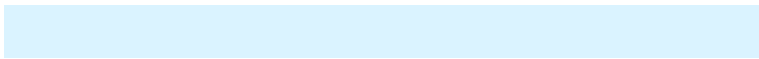
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7265, 91.6557, 48.0342



67.8759, 91.6557, 73.0668



92.7374, 91.6557, 179.5782



109.6863, 91.6557, 132.3620

Sweetspot

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



81.7288, 91.6599, 48.0361



90.2780, 97.1629, 86.6330



61.5118, 50.3250, 44.0746



19.2069, 20.7260, 18.0055



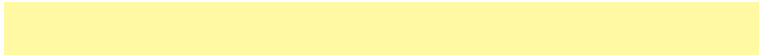
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

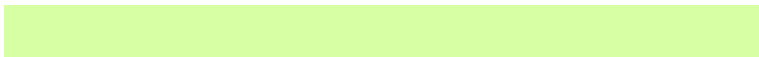
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7288, 91.6599, 48.0361



79.9012, 90.3619, 40.1601



70.4349, 88.6318, 48.0469



19.4539, 20.8761, 19.1485



37.6270, 43.2652, 6.3679



3.6930, 4.2713, 0.6298

Inverse Universe

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



47.3420, 43.3812, 100.4859



41.0973, 35.8885, 99.3689



55.7403, 46.0933, 100.5667



17.0980, 17.5676, 22.7397



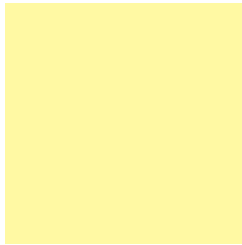
9.5686, 4.0468, 49.7114



0.9634, 0.4575, 4.8508

Previews

White Background



This preview shows how the XYZ color 81.7265, 91.6557, 48.0342 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 81.7265, 91.6557, 48.0342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

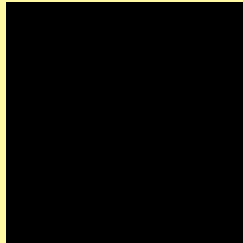
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.7265, 91.6557, 48.0342

Background



This preview shows how black text looks on a background with the XYZ color 81.7265, 91.6557, 48.0342.

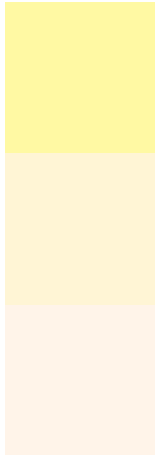


This preview shows how white text looks on a background with the XYZ color 81.7265, 91.6557,

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

81.7265, 91.6557, 48.0342

Protanopia

85.9026, 91.3689, 76.0592

Deuteranopia

88.2987, 91.8446, 90.1647



Tritanopia

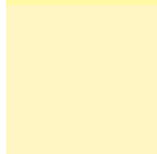
90.2474, 91.6664, 103.3793

Trichromacy



Original Color

81.7265, 91.6557, 48.0342



Protanomaly

84.0461, 91.1117, 64.7864



Deuteranomaly

85.5809, 91.7256, 72.8687



Tritanomaly

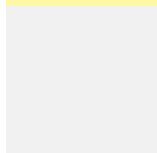
86.5473, 91.6268, 79.4539

Monochromacy



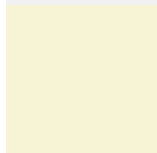
Original Color

81.7265, 91.6557, 48.0342



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

82.3670, 89.0983, 75.8073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7265, 91.6557, 48.0342 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, 249, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 163)  
}
```

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, 249, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 163) }
```

Border

The CSS property to change the border of an element to XYZ 81.7265, 91.6557, 48.0342 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, 249, 163) }
```


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

```
.border{ border-color:rgb(255, 249, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7265, 91.6557, 48.0342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 163) }
```

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

```
.background{ background-color: rgb(255,  
249, 163) }
```

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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