

Converting Colors

XYZ(95.8464, 93.5084, 44.4255)

Have a look what the booklet for
XYZ(95.8464, 93.5084, 44.4255)
contains.

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Color

**XYZ(77.5249, 84.2287,
43.6242)**

Conversions

Conversions Part 1

Format	Color
Hex	FFED9C
RGB	255, 237, 156
RGB Percent	100%, 93%, 61%
CMY	0.0000, 0.0706, 0.3882
CMYK	0.00, 0.07, 0.39, 0.00
HSL	49°, 100%, 81%
HSV	49°, 39%, 100%
XYZ	77.5249, 84.2287, 43.6242
YIQ	233.1480, 36.7290, -21.3750

Conversions

Conversions Part 2

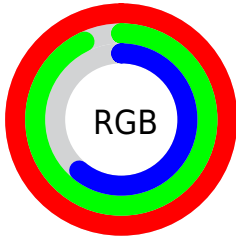
Format	Color
RYB	178, 255, 156
Decimal	16772508
CIELab	93.55, -5.03, 41.44
CIELCh	94, 41.742, 96.923
Yxy	84.2287, 0.3775, 0.4101
Android (android.graphics.Color)	4294962588 (0xFFFFED9C)
YUV	233.1480, -38.0340, 19.1642
Hunter-Lab	91.7762, -9.8264, 36.0609

Details

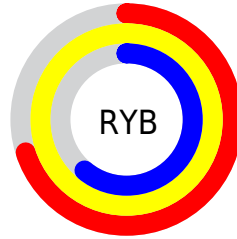
The XYZ color **77.5249, 84.2287, 43.6242** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.8959, 44.5585, 100.7365**, and the grayscale version is **77.8235, 81.8764, 89.1634**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **41.9980, 45.8973, 19.4775** is the 20% darker color. If you saturate the color by 10%, you get **74.2644, 80.8081, 32.9797**, and if you desaturate by 10%, it is **81.2776, 87.9078, 56.6709**.

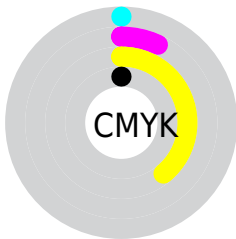
Distribution



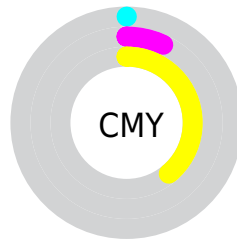
- Red (100%)
- Green (93%)
- Blue (61%)



- Red (70%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (7%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.5249, 84.2287, 43.6242 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 77.5249, 84.2287, 43.6242 by changing the saturation by 10% instead.


 77.5249, 84.2287,
43.6242


 77.5249, 84.2287,
43.6242


475.4164,
509.0724, 377.1689

 57.9852, 63.2043,
30.0402


 128.8491,
139.2950, 81.9484

 42.0400, 46.0065,
19.6168


 161.3643,
174.1058, 107.5256

 29.3238, 32.2509,
11.9355

198.9354,
214.2807, 137.9377

 19.4714, 21.5532,
6.5777

241.9277,
260.2042, 173.6030

 12.1174, 13.5290,
3.1250

290.7066,
312.2608, 214.9403

 6.8965, 7.7938,
1.1588

345.6374,

 3.4432, 3.9633,

370.8347, 262.3680

0.0000

407.0856,
436.3105, 316.3047

■ 1.3922, 1.6531,
0.0000

■ 0.2507, 0.3930,
0.0000

■ 77.5249, 84.2287,
43.6242

■ 77.5249, 84.2287,
43.6242

■ 74.2644, 80.8081,
32.9797

■ 81.2776, 87.9078,
56.6709

■ 71.4610, 77.6223,
24.5814

■ 85.5425, 91.8447,
72.2522

■ 69.0847, 74.6620,
18.2634

■ 90.3462, 96.0534,
90.4969

■ 67.0987, 71.9121,
13.8343

95.0499, 100.0000,
108.9000

■ 65.4599, 69.3549,
11.0671

■ 64.1056, 66.9649,
9.6330

■ 63.9553, 66.6907,
9.5018

Harmonies

Analogous

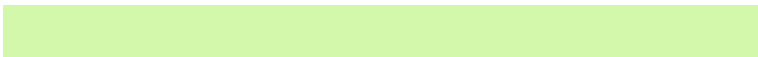
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6703, 84.2287, 46.3748



77.5249, 84.2287, 43.6242



67.9679, 84.2287, 51.1839

Triad

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



77.5249, 84.2287, 43.6242



64.2552, 84.2287, 133.3023



101.2204, 84.2287, 117.6678

Complementary

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



77.5249, 84.2287, 43.6242



46.8959, 44.5585, 100.7365

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.



93.5005, 84.2287, 149.4136



77.5249, 84.2287, 43.6242



72.0201, 84.2287, 159.7928

Square

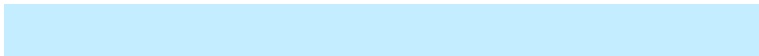
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5249, 84.2287, 43.6242



60.7762, 84.2287, 99.2368



82.6433, 84.2287, 166.2819



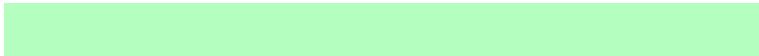
103.0366, 84.2287, 84.5751

Rectangle

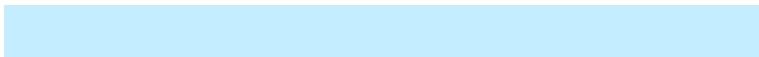
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5249, 84.2287, 43.6242



63.5519, 84.2287, 62.3678



82.6433, 84.2287, 166.2819



99.1974, 84.2287, 129.0586

Sweetspot

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



77.5270, 84.2326, 43.6259



88.7602, 94.6862, 84.4039



60.7836, 48.0996, 46.2026



18.8622, 20.1482, 17.5470



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.



77.5270, 84.2326, 43.6259



74.8241, 81.4142, 34.7479



72.3932, 89.7118, 44.9541



19.2640, 20.4961, 19.0852



33.5196, 35.0504, 4.9987



3.3334, 3.5522, 0.5100

Inverse Universe

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



46.8959, 44.5585, 100.7365



40.1115, 36.4747, 99.5340



50.5185, 41.6069, 99.9759



17.2700, 17.9116, 22.7970



10.0255, 4.9606, 49.8637



1.0448, 0.6204, 4.8779

Previews

White Background



This preview shows how the XYZ color 77.5249, 84.2287, 43.6242 looks on a white background.

Color Contrast Check

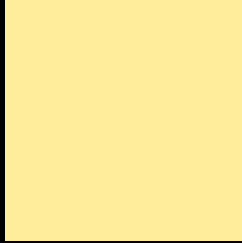
Large Text (above 18pt) WCAG AA × Fail

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 77.5249, 84.2287, 43.6242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

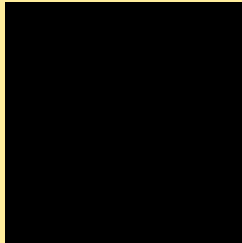
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.5249, 84.2287, 43.6242

Background



This preview shows how black text looks on a background with the XYZ color 77.5249, 84.2287, 43.6242.

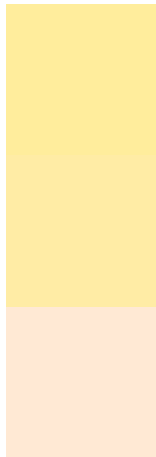


This preview shows how white text looks on a background with the XYZ color 77.5249, 84.2287,

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

77.5249, 84.2287, 43.6242

Protanopia

78.0270, 83.9675, 47.6922

Deuteranopia

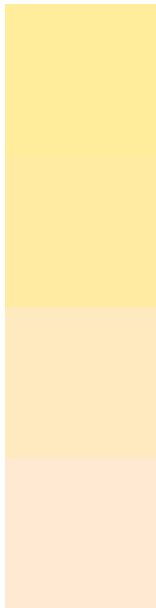
82.2626, 84.2913, 74.2215



Tritanopia

85.4140, 84.2045, 94.9704

Trichromacy



Original Color

77.5249, 84.2287, 43.6242

Protanomaly

77.7570, 83.8595, 46.2707

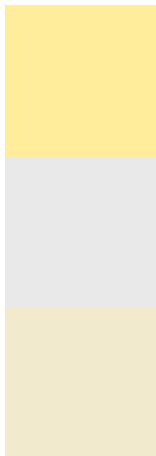
Deuteranomaly

80.1772, 83.9114, 61.8399

Tritanomaly

82.0118, 84.1910, 72.9008

Monochromacy



Original Color

77.5249, 84.2287, 43.6242

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.7179, 81.9542, 69.5329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5249, 84.2287, 43.6242 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, 237, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 156)  
}
```

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, 237, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 156) }
```

Border

The CSS property to change the border of an element to XYZ 77.5249, 84.2287, 43.6242 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, 237, 156) }
```


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

```
.border{ border-color:rgb(255, 237, 156) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5249, 84.2287, 43.6242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 156) }
```

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

```
.background{ background-color: rgb(255,  
237, 156) }
```

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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