

Converting Colors

XYZ(93.8282, 100.0000,
53.6565)

Have a look what the booklet for
XYZ(93.8282, 100.0000, 53.6565)
contains.

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Color

**XYZ(84.2246, 95.1608,
53.4639)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFEAD
RGB	255, 254, 173
RGB Percent	100%, 100%, 68%
CMY	0.0000, 0.0039, 0.3216
CMYK	0.00, 0.00, 0.32, 0.00
HSL	59°, 100%, 84%
HSV	59°, 32%, 100%
XYZ	84.2246, 95.1608, 53.4639
YIQ	245.0650, 26.5970, -24.9790

Conversions

Conversions Part 2

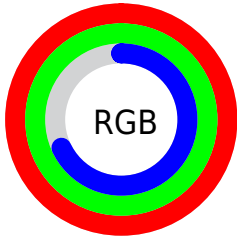
Format	Color
RYB	174, 255, 173
Decimal	16776877
CIELab	98.10, -11.55, 38.94
CIElCh	98, 40.613, 106.520
Yxy	95.1608, 0.3617, 0.4087
Android (android.graphics.Color)	4294966957 (0xFFFFFEAD)
YUV	245.0650, -35.5280, 8.7130
Hunter-Lab	97.5504, -16.5971, 35.7905

Details

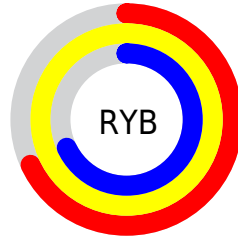
The XYZ color **84.2246, 95.1608, 53.4639** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.4194, 46.3750, 100.9016**, and the grayscale version is **87.1074, 91.6437, 99.8000**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **46.3824, 53.1589, 25.5854** is the 20% darker color. If you saturate the color by 10%, you get **81.8920, 94.0744, 41.6530**, and if you desaturate by 10%, it is **87.0331, 96.4445, 67.7590**.

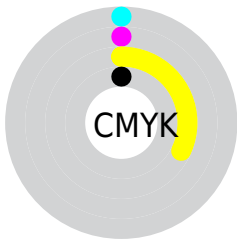
Distribution



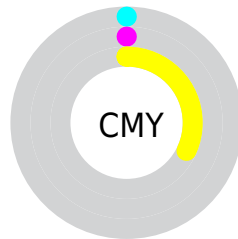
- Red (100%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.2246, 95.1608, 53.4639 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 84.2246, 95.1608, 53.4639 by changing the saturation by 10% instead.


 84.2246, 95.1608,
53.4639

 84.2246, 95.1608,
53.4639


497.5812,
544.6796, 417.1791

 63.5212, 72.2688,
37.7830


 138.2089,
154.4867, 96.7351

 46.5232, 53.3783,
25.5138


172.2206,
191.6895, 125.1624

 32.8653, 38.1049,
16.2377


211.3991,
234.4313, 158.6757

 22.1820, 26.0641,
9.5364

256.1098,
283.0965, 197.6933

 14.1080, 16.8716,
4.9911

306.7180,
338.0695, 242.6340

 8.2781, 10.1430,
2.1834

363.5890,

 4.3267, 5.4939,

399.7348, 293.9161

0.6648

427.0883,
468.4767, 351.9583

■ 1.8886, 2.5398,
0.0000

■ 0.5702, 0.8965,
0.0000

■ 84.2246, 95.1608,
53.4639

■ 84.2246, 95.1608,
53.4639

■ 81.8920, 94.0744,
41.6530

■ 87.0331, 96.4445,
67.7590

■ 80.0012, 93.1616,
32.1786

■ 90.3352, 97.9226,
84.6626

■ 78.5251, 92.4149,
24.8872

■ 94.1561, 99.6084,
104.2978

■ 77.4305, 91.8211,
19.6039

95.0500, 100.0000,
108.9000

■ 76.6791, 91.3649,
16.1274

■ 76.2249, 91.0277,
14.2146

■ 76.0225, 90.8250,
13.5242

Harmonies

Analogous

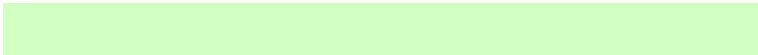
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7721, 95.1608, 52.8992



84.2246, 95.1608, 53.4639



75.1434, 95.1608, 65.4322

Triad

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



84.2246, 95.1608, 53.4639



75.8884, 95.1608, 157.5019



114.0341, 95.1608, 119.3050

Complementary

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



84.2246, 95.1608, 53.4639



50.4194, 46.3750, 100.9016

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.



107.7001, 95.1608, 154.3417



84.2246, 95.1608, 53.4639



85.3239, 95.1608, 179.3854

Square

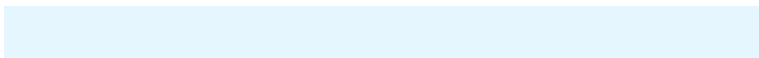
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2246, 95.1608, 53.4639



70.6210, 95.1608, 122.9530



96.9696, 95.1608, 178.1184



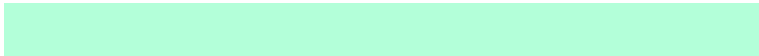
113.6755, 95.1608, 86.4171

Rectangle

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



84.2246, 95.1608, 53.4639



71.4130, 95.1608, 80.0907



96.9696, 95.1608, 178.1184



112.5952, 95.1608, 131.3436

Sweetspot

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



84.2270, 95.1651, 53.4659



91.1143, 98.2682, 88.6607



63.8601, 54.2185, 47.3328



19.3929, 20.9850, 18.4161



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

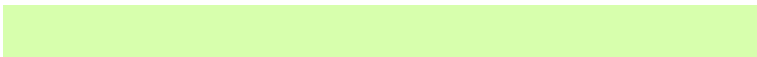
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2270, 95.1651, 53.4659



82.5796, 94.3989, 45.1215



71.4355, 89.0400, 52.9578



19.5413, 21.0507, 19.1776



39.7321, 47.4753, 7.0696



3.8744, 4.6342, 0.6903

Inverse Universe

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



50.4194, 46.3750, 100.9016



43.6889, 38.2741, 99.6927



60.3287, 51.1996, 101.3106



17.0207, 17.4130, 22.7139



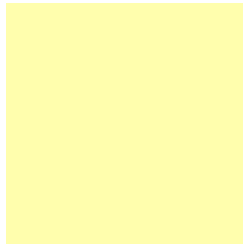
9.4567, 3.8229, 49.6741



0.9267, 0.3841, 4.8386

Previews

White Background



This preview shows how the XYZ color 84.2246, 95.1608, 53.4639 looks on a white background.

Color Contrast Check

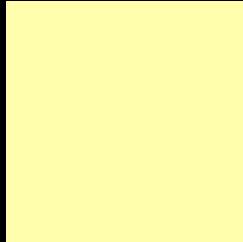
Large Text (above 18pt) WCAG AA × Fail

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 84.2246, 95.1608, 53.4639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

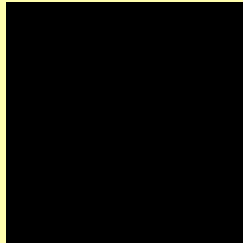
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.2246, 95.1608, 53.4639

Background



This preview shows how black text looks on a background with the XYZ color 84.2246, 95.1608, 53.4639.



This preview shows how white text looks on a background with the XYZ color 84.2246, 95.1608,

Color Blindness Simulation

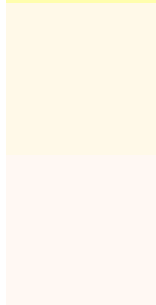
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

84.2246, 95.1608, 53.4639



Protanopia

89.6812, 94.8376, 89.9227

Deuteranopia

90.9851, 94.8659, 98.3095

Tritanopia

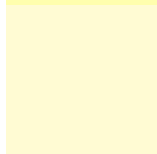
92.3902, 94.9373, 107.2212

Trichromacy



Original Color

84.2246, 95.1608, 53.4639



Protanomaly

87.4951, 94.9575, 75.3452



Deuteranomaly

88.0805, 94.6932, 79.9649



Tritanomaly

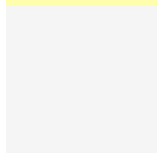
89.0162, 95.0675, 84.8924

Monochromacy



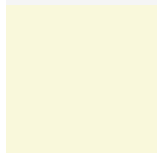
Original Color

84.2246, 95.1608, 53.4639



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.4205, 92.3890, 80.3486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2246, 95.1608, 53.4639 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, 254, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 173)  
}
```

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, 254, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 173) }
```

Border

The CSS property to change the border of an element to XYZ 84.2246, 95.1608, 53.4639 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, 254, 173) }
```


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

```
.border{ border-color:rgb(255, 254, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2246, 95.1608, 53.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 173) }
```

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

```
.background{ background-color: rgb(255,  
254, 173) }
```

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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