

Converting Colors

XYZ(165.2727, 166.0522,
62.2934)

Have a look what the booklet for
XYZ(165.2727, 166.0522, 62.2934)
contains.

XYZ(84.4464, 95.7586, 53.0622)	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(84.4464, 95.7586,
53.0622)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFFAC
RGB	255, 255, 172
RGB Percent	100%, 100%, 67%
CMY	0.0000, 0.0000, 0.3255
CMYK	0.00, 0.00, 0.33, 0.00
HSL	60°, 100%, 84%
HSV	60°, 33%, 100%
XYZ	84.4464, 95.7586, 53.0622
YIQ	245.5380, 26.6430, -25.8130

Conversions

Conversions Part 2

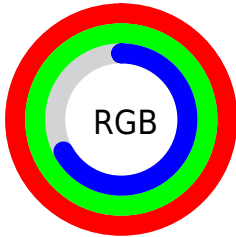
Format	Color
RYB	172, 255, 172
Decimal	16777132
CIELab	98.34, -12.15, 39.74
CIELCh	98, 41.560, 107.005
Yxy	95.7586, 0.3620, 0.4105
Android (android.graphics.Color)	4294967212 (0xFFFFFFFFAC)
YUV	245.5380, -36.2542, 8.2982
Hunter-Lab	97.8563, -17.2096, 36.3497

Details

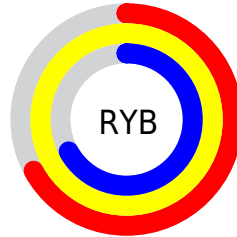
The XYZ color **84.4464, 95.7586, 53.0622** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.8169, 45.4970, 100.7639**, and the grayscale version is **87.4915, 92.0479, 100.2402**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **46.5498, 53.5904, 25.3433** is the 20% darker color. If you saturate the color by 10%, you get **82.2275, 94.8710, 41.3777**, and if you desaturate by 10%, it is **87.1357, 96.8343, 67.2241**.

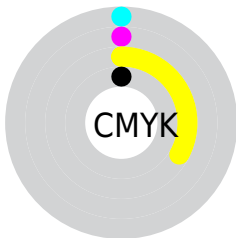
Distribution



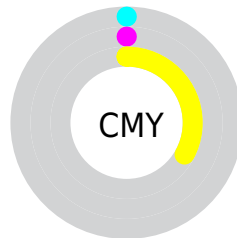
- Red (100%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.4464, 95.7586, 53.0622 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 84.4464, 95.7586, 53.0622 by changing the saturation by 10% instead.


 84.4464, 95.7586,
53.0622

 84.4464, 95.7586,
53.0622


498.3057,
546.5907, 415.5968

 63.7050, 72.7665,
37.4644


 138.5175,
155.3122, 96.1384

 46.6726, 53.7851,
25.2686


172.5779,
192.6426, 124.4538

 32.9838, 38.4299,
16.0565


211.8087,
235.5211, 157.8454

 22.2732, 26.3165,
9.4093

256.5752,
284.3322, 196.7319

 14.1755, 17.0606,
4.9087

307.2428,
339.4604, 241.5318

 8.3253, 10.2777,
2.1360

364.1769,

 4.3574, 5.5835,

401.2899, 292.6635

0.6371

427.7427,
470.2052, 350.5456

■ 1.9062, 2.5935,
0.0000

■ 0.5805, 0.9234,
0.0000

■ 84.4464, 95.7586,
53.0622

■ 84.4464, 95.7586,
53.0622

■ 82.2275, 94.8710,
41.3777

■ 87.1357, 96.8343,
67.2241

■ 80.4514, 94.1605,
32.0246

■ 90.3196, 98.1079,
83.9902

■ 79.0885, 93.6154,
24.8478

■ 94.0214, 99.5886,
103.4834

■ 78.1056, 93.2222,
19.6719

95.0500, 100.0000,
108.9000

■ 77.4641, 92.9657,
16.2941

■ 77.1176, 92.8270,
14.4691

■ 77.0000, 92.7800,
13.8500

Harmonies

Analogous

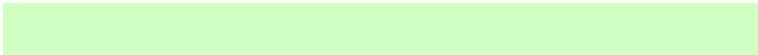
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.2924, 95.7586, 52.3047



84.4464, 95.7586, 53.0622



75.1916, 95.7586, 65.4499

Triad

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



84.4464, 95.7586, 53.0622



76.1990, 95.7586, 160.3175



115.3462, 95.7586, 119.8082

Complementary

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



84.4464, 95.7586, 53.0622



49.8169, 45.4970, 100.7639

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.



108.9174, 95.7586, 156.0107



84.4464, 95.7586, 53.0622



85.9353, 95.7586, 182.6248

Square

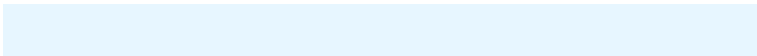
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



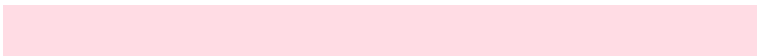
84.4464, 95.7586, 53.0622



70.7242, 95.7586, 124.7640



97.9171, 95.7586, 180.8952



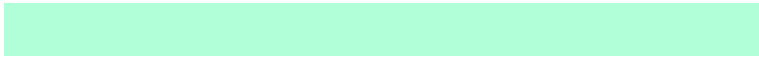
114.8586, 95.7586, 86.1438

Rectangle

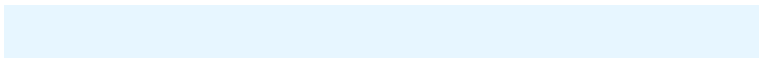
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4464, 95.7586, 53.0622



71.4221, 95.7586, 80.5665



97.9171, 95.7586, 180.8952



113.9001, 95.7586, 132.2067

Sweetspot

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



84.4466, 95.7587, 53.0635



91.2128, 98.4651, 88.6935



63.4397, 53.7447, 46.0612



19.4169, 21.0330, 18.4241



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

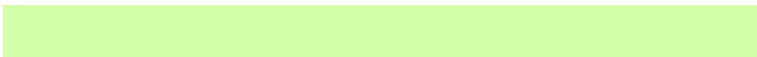
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4466, 95.7587, 53.0635



82.9627, 95.1651, 45.2492



70.7929, 88.7199, 52.4245



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.



49.8169, 45.4970, 100.7639



43.4865, 37.8693, 99.6253



60.3892, 50.9473, 101.2587



17.0031, 17.3778, 22.7080



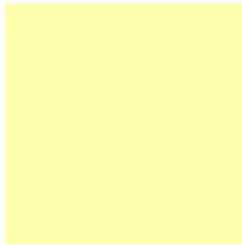
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 84.4464, 95.7586, 53.0622 looks on a white background.

Color Contrast Check

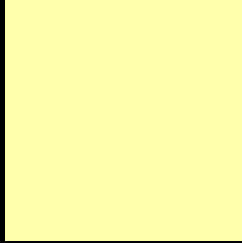
Large Text (above 18pt) WCAG AA × Fail

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 84.4464, 95.7586, 53.0622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

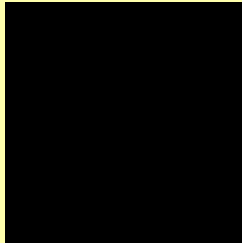
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.4464, 95.7586, 53.0622

Background



This preview shows how black text looks on a background with the XYZ color 84.4464, 95.7586, 53.0622.



This preview shows how white text looks on a background with the XYZ color 84.4464, 95.7586,

Color Blindness Simulation

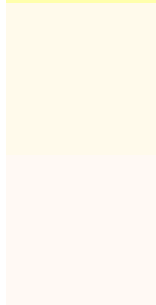
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

84.4464, 95.7586, 53.0622



Protanopia

90.4210, 95.6294, 92.2899

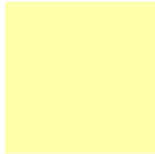
Deuteranopia

91.4448, 95.5430, 99.2099

Tritanopia

92.6968, 95.5506, 107.3234

Trichromacy



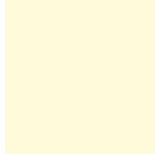
Original Color

84.4464, 95.7586, 53.0622



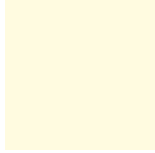
Protanomaly

87.9341, 95.6343, 76.1120



Deuteranomaly

88.3921, 95.3163, 80.0688



Tritanomaly

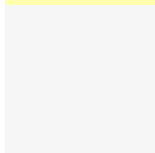
89.1917, 95.6362, 84.2797

Monochromacy



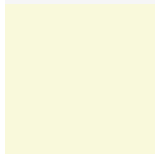
Original Color

84.4464, 95.7586, 53.0622



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

85.7288, 93.0056, 80.4513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4464, 95.7586, 53.0622 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 84.4464, 95.7586, 53.0622 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, 172) }
```


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

```
.border{ border-color:rgb(255, 255, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4464, 95.7586, 53.0622 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, 172) }
```

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

```
.background{ background-color: rgb(255,  
255, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor