

Converting Colors

XYZ(44.4660, 63.5863, 33.6726)

Have a look what the booklet for
XYZ(44.4660, 63.5863, 33.6726)
contains.

XYZ(44.4715, 63.5888, 33.5969)	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(44.4715, 63.5888,
33.5969)**

Conversions

Conversions Part 1

Format	Color
Hex	94E489
RGB	148, 228, 137
RGB Percent	58%, 89%, 54%
CMY	0.4196, 0.1059, 0.4627
CMYK	0.35, 0.00, 0.40, 0.11
HSL	113°, 63%, 72%
HSV	113°, 40%, 89%
XYZ	44.4715, 63.5888, 33.5969
YIQ	193.7060, -18.4690, -45.2610

Conversions

Conversions Part 2

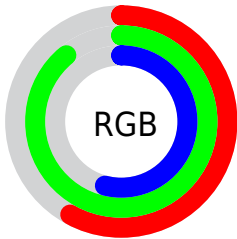
Format	Color
RYB	137, 228, 217
Decimal	9757833
CIELab	83.75, -41.80, 36.84
CIELCh	84, 55.712, 138.609
Yxy	63.5888, 0.3139, 0.4489
Android (android.graphics.Color)	4287947913 (0xFF94E489)
YUV	193.7060, -27.9561, -40.0842
Hunter-Lab	79.7426, -40.0022, 30.8399

Details

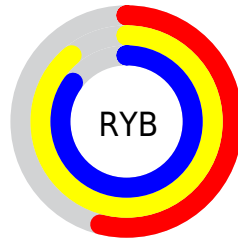
The XYZ color **44.4715, 63.5888, 33.5969** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.5674, 38.2464, 78.0665**, and the grayscale version is **51.2735, 53.9437, 58.7447**.

A 20% lighter version of the original color is **70.3408, 88.2607, 62.6189**, and **20.9464, 32.5041, 13.9740** is the 20% darker color. If you saturate the color by 10%, you get **39.6889, 61.2946, 25.7192**, and if you desaturate by 10%, it is **50.2308, 66.3503, 43.3269**.

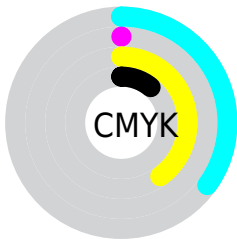
Distribution



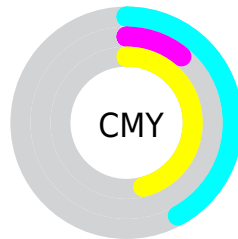
- Red (58%)
- Green (89%)
- Blue (54%)



- Red (54%)
- Yellow (89%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)



- Cyan (42%)
- Magenta (11%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4715, 63.5888, 33.5969 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 44.4715, 63.5888, 33.5969 by changing the saturation by 10% instead.

■ 44.4715, 63.5888,
33.5969

■ 44.4715, 63.5888,
33.5969

355.4487,
437.7032, 333.0450

■ 31.2409, 46.3177,
22.3092

■ 81.1687, 110.0185,
66.4330

■ 20.9350, 32.4966,
13.8838

■ 105.3660,
139.9460, 88.8186

■ 13.1887, 21.7411,
7.9021

■ 133.9496,
174.8609, 115.7406

■ 7.6365, 13.6668,
3.9455

167.2847,
215.1479, 147.6174

■ 3.9131, 7.8893,
1.5955

205.7369,
261.1912, 184.8678

■ 1.6531, 4.0242,
0.2876

249.6714,

■ 0.4266, 1.6871,

313.3753, 227.9101

0.0000

299.4535,
372.0845, 277.1630

0.0000, 0.4153,
0.0000

0.0000, 0.0000,
0.0000

44.4715, 63.5888,
33.5969

44.4715, 63.5888,
33.5969

39.6889, 61.2946,
25.7192

50.2308, 66.3503,
43.3269

35.8239, 59.4342,
19.5725

57.0120, 69.5946,
55.0119

32.8184, 57.9822,
15.0275

64.8635, 73.3461,
68.7522

30.6053, 56.9075,
11.9354

73.8288, 77.6256,
84.6397

■ 29.1077, 56.1741,
10.1192

■ 83.9493, 82.4523,
102.7611

■ 28.2173, 55.7328,
9.2761

■ 87.0346, 83.9693,
106.2282

■ 28.2115, 55.7300,
9.2701

Harmonies

Analogous

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



53.2479, 63.5888, 23.0429



44.4715, 63.5888, 33.5969



40.2095, 63.5888, 56.7800

Triad

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



44.4715, 63.5888, 33.5969



55.9167, 63.5888, 158.3606



85.5513, 63.5888, 49.9094

Complementary

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



44.4715, 63.5888, 33.5969



51.5674, 38.2464, 78.0665

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.



86.5200, 63.5888, 83.3954



44.4715, 63.5888, 33.5969



68.2505, 63.5888, 154.5855

Square

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



44.4715, 63.5888, 33.5969



46.1978, 63.5888, 132.9768



79.8337, 63.5888, 123.9358



77.3425, 63.5888, 30.0326

Rectangle

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



44.4715, 63.5888, 33.5969



40.0587, 63.5888, 79.8052



79.8337, 63.5888, 123.9358



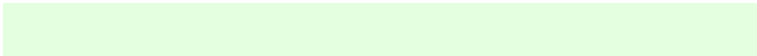
86.7719, 63.5888, 59.6463

Sweetspot

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



44.4731, 63.5915, 33.5983



81.2950, 93.4336, 84.5556



61.0347, 67.3466, 33.4502



17.1072, 19.8585, 17.5836



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.



44.4731, 63.5915, 33.5983



52.0693, 79.4419, 34.6352



45.3524, 63.7242, 48.1237



14.3503, 16.1722, 15.2696



16.3416, 32.2059, 5.3551



1.2610, 2.4074, 0.3982

Inverse Universe

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



51.5674, 38.2464, 78.0665



62.3884, 42.4473, 99.5127



50.7517, 38.3105, 56.1347



14.8147, 14.5222, 18.1666



21.9766, 10.3952, 43.2314



1.6725, 0.7932, 3.1969

Previews

White Background



This preview shows how the XYZ color 44.4715, 63.5888, 33.5969 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 44.4715, 63.5888, 33.5969 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 44.4715, 63.5888, 33.5969

Background



This preview shows how black text looks on a background with the XYZ color 44.4715, 63.5888, 33.5969.



This preview shows how white text looks on a background with the XYZ color 44.4715, 63.5888,

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

44.4715, 63.5888, 33.5969

Protanopia

58.1969, 63.0276, 29.8671

Deuteranopia

64.1689, 62.8169, 35.1284



Tritanopia

55.1330, 63.1592, 87.1270

Trichromacy



Original Color

44.4715, 63.5888, 33.5969



Protanomaly

51.7540, 62.2726, 31.1219



Deuteranomaly

55.0057, 62.0133, 34.2700



Tritanomaly

50.2001, 62.6808, 63.4856

Monochromacy



Original Color

44.4715, 63.5888, 33.5969



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.7456, 56.5069, 47.9256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4715, 63.5888, 33.5969 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(148, 228, 137)` looks like.

```
.text, #text, p{  
    color:rgb(148, 228, 137)  
}
```

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(148, 228, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 228, 137) }
```

Border

The CSS property to change the border of an element to XYZ 44.4715, 63.5888, 33.5969 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(148, 228, 137) }
```


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

```
.border{ border-color:rgb(148, 228, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 228, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 228, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 228, 137);  
box-shadow:4px 4px 4px 4px rgb(148, 228,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4715, 63.5888, 33.5969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 228, 137) }
```

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

```
.background{ background-color: rgb(148,  
228, 137) }
```

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