

Converting Colors

XYZ(45.1178, 66.0682, 19.5366)

Have a look what the booklet for
XYZ(45.1178, 66.0682, 19.5366)
contains.

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Color

**XYZ(44.9161, 65.7887,
19.5637)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE858
RGB	159, 232, 88
RGB Percent	62%, 91%, 35%
CMY	0.3765, 0.0902, 0.6549
CMYK	0.31, 0.00, 0.62, 0.09
HSL	90°, 76%, 63%
HSV	90°, 62%, 91%
XYZ	44.9161, 65.7887, 19.5637
YIQ	193.7570, 2.7160, -60.2600

Conversions

Conversions Part 2

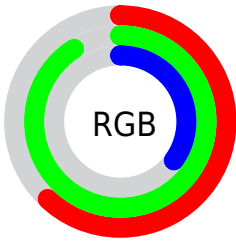
Format	Color
RYB	88, 232, 161
Decimal	10479704
CIELab	84.89, -45.41, 61.09
CIElCh	85, 76.117, 126.624
Yxy	65.7887, 0.3448, 0.5050
Android (android.graphics.Color)	4288669784 (0xFF9FE858)
YUV	193.7570, -52.1382, -30.4819
Hunter-Lab	81.1102, -43.0957, 42.4765

Details

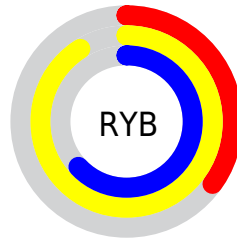
The XYZ color **44.9161, 65.7887, 19.5637** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **32.7562, 20.3847, 78.5558**, and the grayscale version is **51.4334, 54.1120, 58.9280**.

A 20% lighter version of the original color is **69.3332, 88.2549, 39.3673**, and **21.2144, 33.9593, 6.5353** is the 20% darker color. If you saturate the color by 10%, you get **41.8817, 64.3204, 15.1790**, and if you desaturate by 10%, it is **48.4813, 67.4994, 25.5716**.

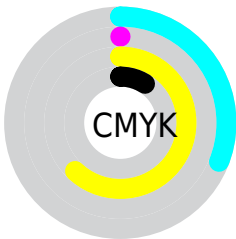
Distribution



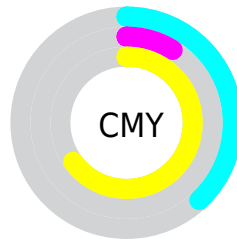
- Red (62%)
- Green (91%)
- Blue (35%)



- Red (35%)
- Yellow (91%)
- Blue (63%)



- Cyan (31%)
- Magenta (0%)
- Yellow (62%)
- Black (9%)



- Cyan (38%)
- Magenta (9%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9161, 65.7887, 19.5637 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 44.9161, 65.7887, 19.5637 by changing the saturation by 10% instead.

■ 44.9161, 65.7887,
19.5637

■ 44.9161, 65.7887,
19.5637

357.2231,
445.6208, 262.0689

■ 31.5923, 48.1009,
11.8974

■ 81.8323, 113.1830,
43.5338

■ 21.2044, 33.9068,
6.5521

■ 106.1555,
143.6583, 60.6746

■ 13.3868, 22.8220,
3.1095

■ 134.8759,
179.1649, 81.8107

■ 7.7742, 14.4621,
1.1508

■ 168.3588,
220.0871, 107.3606

■ 4.0014, 8.4428,
0.0000

206.9697,
266.8095, 137.7428

■ 1.7029, 4.3796,
0.0000

251.0737,

■ 0.4581, 1.8881,

319.7162, 173.3759

0.0000

301.0364,
379.1919, 214.6785

■ 0.0000, 0.5412,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.9161, 65.7887,
19.5637

■ 44.9161, 65.7887,
19.5637

■ 41.8817, 64.3204,
15.1790

■ 48.4813, 67.4994,
25.5716

■ 39.3372, 63.0708,
12.2541


■ 52.6048, 69.4576,
33.3369


■ 37.2413, 62.0248,
10.5989


■ 57.3174, 71.6783,
42.9846


■ 35.8474, 61.3192,
9.9464


■ 62.6457, 74.1730,
54.6271

 68.6147, 76.9522,
68.3680

 75.2480, 80.0259,
84.3038

 82.5674, 83.4035,
102.5249

 87.4514, 85.8369,
106.5667

 88.1480, 86.1960,
106.5993

Harmonies

Analogous

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



58.8184, 65.7887, 12.9424



44.9161, 65.7887, 19.5637



36.9733, 65.7887, 40.4252

Triad

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



44.9161, 65.7887, 19.5637



50.3862, 65.7887, 197.2667



101.1458, 65.7887, 61.3233

Complementary

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



44.9161, 65.7887, 19.5637



32.7562, 20.3847, 78.5558

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.



97.7724, 65.7887, 115.7959



44.9161, 65.7887, 19.5637



66.3949, 65.7887, 211.5281

Square

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



44.9161, 65.7887, 19.5637



39.7063, 65.7887, 143.6514



84.2351, 65.7887, 176.7123



92.7579, 65.7887, 28.9037

Rectangle

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



44.9161, 65.7887, 19.5637



35.1458, 65.7887, 66.2367



84.2351, 65.7887, 176.7123



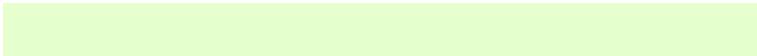
101.3695, 65.7887, 77.3141

Sweetspot

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



44.9177, 65.7916, 19.5651



79.7410, 92.8984, 72.4718



47.6136, 43.0045, 15.0247



16.6299, 19.6798, 14.5207



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.



44.9177, 65.7916, 19.5651



51.1165, 79.3219, 17.8173



34.6446, 60.4956, 19.0844



14.8626, 16.4363, 15.2936



20.0450, 34.1150, 5.5284



1.5883, 2.5762, 0.4135

Inverse Universe

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



32.7562, 20.3847, 78.5558



34.9094, 18.8295, 96.4023



51.3366, 29.9633, 79.4254



14.2759, 14.2444, 18.1414



12.3510, 5.4331, 42.7809



1.0199, 0.4567, 3.1664

Previews

White Background



This preview shows how the XYZ color 44.9161, 65.7887, 19.5637 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 44.9161, 65.7887, 19.5637 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 44.9161, 65.7887, 19.5637

Background



This preview shows how black text looks on a background with the XYZ color 44.9161, 65.7887, 19.5637.



This preview shows how white text looks on a background with the XYZ color 44.9161, 65.7887, 19.5637.

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
Protanopia
Deuteranopia

44.9161, 65.7887, 19.5637
59.0782, 64.8599, 17.3881
65.7507, 64.8571, 26.8225



Tritanopia

58.6306, 65.3272, 88.1165

Trichromacy



Original Color

44.9161, 65.7887, 19.5637



Protanomaly

52.6639, 64.5685, 18.0748



Deuteranomaly

56.0162, 63.8869, 23.5664



Tritanomaly

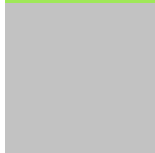
51.5780, 64.3906, 53.9661

Monochromacy



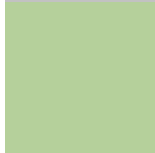
Original Color

44.9161, 65.7887, 19.5637



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.5283, 57.3021, 39.5657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9161, 65.7887, 19.5637 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(159, 232, 88)` looks like.

```
.text, #text, p{  
    color:rgb(159, 232, 88)  
}
```

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(159, 232, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 232, 88) }
```

Border

The CSS property to change the border of an element to XYZ 44.9161, 65.7887, 19.5637 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(159, 232, 88) }
```


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

```
.border{ border-color:rgb(159, 232, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 232, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 232, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 232, 88);  
box-shadow:4px 4px 4px 4px rgb(159, 232,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9161, 65.7887, 19.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 232, 88) }
```

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

```
.background{ background-color: rgb(159,  
232, 88) }
```

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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