

Converting Colors

XYZ(45.2201, 63.2405, 35.3103)

Have a look what the booklet for
XYZ(45.2201, 63.2405, 35.3103)
contains.

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Color

**XYZ(45.2157, 63.1180,
35.3911)**

Conversions

Conversions Part 1

Format	Color
Hex	99E28E
RGB	153, 226, 142
RGB Percent	60%, 89%, 56%
CMY	0.4000, 0.1137, 0.4431
CMYK	0.32, 0.00, 0.37, 0.11
HSL	112°, 59%, 72%
HSV	112°, 37%, 89%
XYZ	45.2157, 63.1180, 35.3911
YIQ	194.5970, -16.5440, -41.6000

Conversions

Conversions Part 2

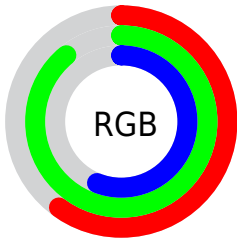
Format	Color
RYB	142, 226, 215
Decimal	10085006
CIELab	83.50, -38.58, 34.05
CIELCh	84, 51.454, 138.571
Yxy	63.1180, 0.3146, 0.4392
Android (android.graphics.Color)	4288275086 (0xFF99E28E)
YUV	194.5970, -25.9303, -36.4806
Hunter-Lab	79.4468, -37.4420, 29.2009

Details

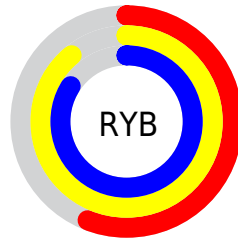
The XYZ color **45.2157, 63.1180, 35.3911** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **51.4277, 39.2861, 76.8273**, and the grayscale version is **51.7897, 54.4868, 59.3361**.

A 20% lighter version of the original color is **72.0183, 89.0608, 65.6192**, and **21.4086, 32.1574, 14.9762** is the 20% darker color. If you saturate the color by 10%, you get **40.2813, 60.7527, 27.1830**, and if you desaturate by 10%, it is **51.1076, 65.9409, 45.4424**.

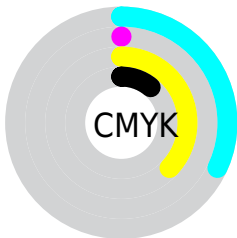
Distribution



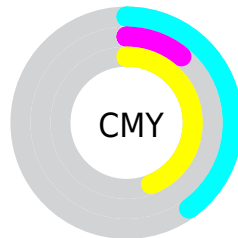
- Red (60%)
- Green (89%)
- Blue (56%)



- Red (56%)
- Yellow (89%)
- Blue (84%)



- Cyan (32%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)





- Cyan (40%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2157, 63.1180, 35.3911 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 45.2157, 63.1180, 35.3911 by changing the saturation by 10% instead.


 45.2157, 63.1180,
35.3911

 45.2157, 63.1180,
35.3911


358.4155,
435.9976, 341.2478

 31.8294, 45.9367,
23.6783


 82.2791, 109.3397,
69.2496

 21.3861, 32.1959,
14.8852


 106.6868,
139.1489, 92.2325

 13.5206, 21.5111,
8.5931


135.4991,
173.9362, 119.8091

 7.8675, 13.4981,
4.3836

169.0812,
214.0860, 152.3981

 4.0613, 7.7725,
1.8381

207.7985,
259.9826, 190.4179

 1.7369, 3.9497,
0.4529

252.0165,

 0.4792, 1.6455,

312.0105, 234.2871

0.0000

302.1003,
370.5540, 284.4242

■ 0.0000, 0.3880,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.2157, 63.1180,
35.3911

■ 45.2157, 63.1180,
35.3911

■ 40.2813, 60.7527,
27.1830

■ 51.1076, 65.9409,
45.4424

■ 36.2488, 58.8131,
20.7024

■ 57.9992, 69.2353,
57.4349

■ 33.0644, 57.2761,
15.8269

■ 65.9358, 73.0245,
71.4647

■ 30.6661, 56.1128,
12.4164

■ 74.9588, 77.3278,
87.6205

■ 28.9837, 55.2904,
10.3069

■ 85.1062, 82.1631,
105.9812

■ 27.9310, 54.7693,
9.2832

■ 86.4876, 82.8752,
106.0459

■ 27.7212, 54.6651,
9.0904

Harmonies

Analogous

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



53.3749, 63.1180, 25.1941



45.2157, 63.1180, 35.3911



41.2196, 63.1180, 57.1851

Triad

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



45.2157, 63.1180, 35.3911



55.8141, 63.1180, 148.8981



82.8747, 63.1180, 50.8529

Complementary

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



45.2157, 63.1180, 35.3911



51.4277, 39.2861, 76.8273

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.



83.7410, 63.1180, 81.7210



45.2157, 63.1180, 35.3911



67.1341, 63.1180, 145.5852

Square

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



45.2157, 63.1180, 35.3911



46.8090, 63.1180, 126.2947



77.6801, 63.1180, 118.2988



75.4428, 63.1180, 32.0062

Rectangle

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



45.2157, 63.1180, 35.3911



41.0741, 63.1180, 78.3580



77.6801, 63.1180, 118.2988



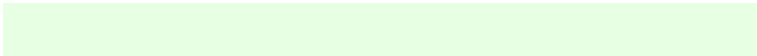
83.9749, 63.1180, 59.9153

Sweetspot

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



45.2173, 63.1207, 35.3925



82.4515, 93.9895, 86.4330



60.4988, 66.6239, 35.2632



17.3415, 19.9713, 17.9581



0.0000, 0.0000, 0.0000



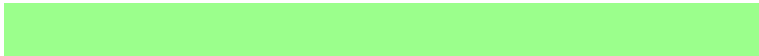
20.3446, 21.4041, 23.3091

Same Dimension

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



45.2173, 63.1207, 35.3925



54.0823, 80.4165, 37.5792



45.8772, 63.1558, 49.2078



13.6948, 15.4228, 14.5619



15.8697, 31.2137, 5.1884



1.1549, 2.1918, 0.3622

Inverse Universe

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



51.4277, 39.2861, 76.8273



63.3917, 44.5704, 99.8696



50.9123, 39.4656, 56.6850



14.1093, 13.8399, 17.3154



20.9520, 9.8965, 41.8543



1.5020, 0.7116, 2.9034

Previews

White Background



This preview shows how the XYZ color 45.2157, 63.1180, 35.3911 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 45.2157, 63.1180, 35.3911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

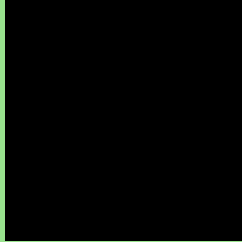
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2157, 63.1180, 35.3911

Background



This preview shows how black text looks on a background with the XYZ color 45.2157, 63.1180, 35.3911.



This preview shows how white text looks on a background with the XYZ color 45.2157, 63.1180,

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

45.2157, 63.1180, 35.3911

Protanopia

57.6672, 62.3544, 31.5505

Deuteranopia

63.5454, 62.1191, 36.6580



Tritanopia

55.2281, 62.8621, 85.5667

Trichromacy



Original Color

45.2157, 63.1180, 35.3911



Protanomaly

52.1151, 62.0414, 32.8953



Deuteranomaly

54.8956, 61.1841, 36.1105



Tritanomaly

50.7446, 62.5731, 63.4361

Monochromacy



Original Color

45.2157, 63.1180, 35.3911



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

48.7302, 56.9805, 49.5043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2157, 63.1180, 35.3911 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(153, 226, 142)` looks like.

```
.text, #text, p{  
    color:rgb(153, 226, 142)  
}
```

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(153, 226, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 226, 142) }
```

Border

The CSS property to change the border of an element to XYZ 45.2157, 63.1180, 35.3911 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(153, 226, 142) }
```


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

```
.border{ border-color:rgb(153, 226, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 226, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 226, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 226, 142);  
box-shadow:4px 4px 4px 4px rgb(153, 226,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2157, 63.1180, 35.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 226, 142) }
```

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

```
.background{ background-color: rgb(153,  
226, 142) }
```

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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