

Converting Colors

XYZ(44.5098, 63.8355, 30.6083)

Have a look what the booklet for
XYZ(44.5098, 63.8355, 30.6083)
contains.

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Color

**XYZ(44.4683, 63.6511,
30.7110)**

Conversions

Conversions Part 1

Format	Color
Hex	97E481
RGB	151, 228, 129
RGB Percent	59%, 89%, 51%
CMY	0.4078, 0.1059, 0.4941
CMYK	0.34, 0.00, 0.43, 0.11
HSL	107°, 65%, 70%
HSV	107°, 43%, 89%
XYZ	44.4683, 63.6511, 30.7110
YIQ	193.6910, -14.1130, -47.1130

Conversions

Conversions Part 2

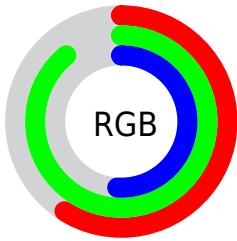
Format	Color
RYB	129, 228, 206
Decimal	9954433
CIELab	83.78, -41.95, 40.88
CIElCh	84, 58.571, 135.738
Yxy	63.6511, 0.3203, 0.4585
Android (android.graphics.Color)	4288144513 (0xFF97E481)
YUV	193.6910, -31.8927, -37.4400
Hunter-Lab	79.7816, -40.1264, 33.0242

Details

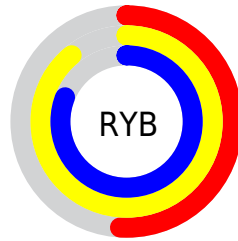
The XYZ color **44.4683, 63.6511, 30.7110** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.3104, 34.4257, 77.5536**, and the grayscale version is **51.2853, 53.9562, 58.7583**.

A 20% lighter version of the original color is **70.3197, 88.3488, 58.1465**, and **20.9515, 32.5419, 12.3847** is the 20% darker color. If you saturate the color by 10%, you get **40.0717, 61.5425, 23.4577**, and if you desaturate by 10%, it is **49.7014, 66.1557, 39.7711**.

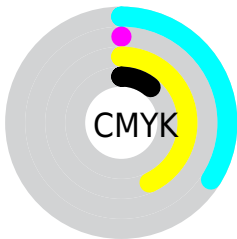
Distribution



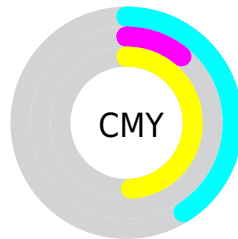
- Red (59%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (81%)



- Cyan (34%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)




- Cyan (41%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4683, 63.6511, 30.7110 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 44.4683, 63.6511, 30.7110 by changing the saturation by 10% instead.


 44.4683, 63.6511,
30.7110

 44.4683, 63.6511,
30.7110


355.4359,
437.9286, 319.5145


 31.2383, 46.3681,
20.1223


 81.1639, 110.1083,
61.8590

 20.9331, 32.5364,
12.2990


 105.3603,
140.0514, 83.2554

 13.1873, 21.7716,
6.8226

 133.9429,
174.9832, 109.0914

 7.6355, 13.6891,
3.2747

167.2770,
215.2883, 139.7855

 3.9125, 7.9048,
1.2365

205.7280,
261.3510, 175.7564

 1.6527, 4.0341,
0.0089

249.6612,

 0.4264, 1.6926,

313.5557, 217.4225

0.0000

299.4421,
372.2867, 265.2023

■ 0.0000, 0.4189,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.4683, 63.6511,
30.7110

■ 44.4683, 63.6511,
30.7110

■ 40.0717, 61.5425,
23.4577

■ 49.7014, 66.1557,
39.7711

■ 36.4619, 59.8012,
17.8862


■ 55.8075, 69.0670,
50.7435


■ 33.5915, 58.4075,
13.8621


■ 62.8268, 72.4053,
63.7307


■ 31.4049, 57.3363,
11.2287

■ 70.7952, 76.1874,
78.8266

 29.8382, 56.5587,
9.7962

 79.7471, 80.4287,
96.1192

 29.0929, 56.1845,
9.3113

 87.0347, 83.9694,
106.2282

Harmonies

Analogous

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



54.0393, 63.6511, 21.0614



44.4683, 63.6511, 30.7110



39.5669, 63.6511, 53.2885

Triad

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



44.4683, 63.6511, 30.7110



54.6115, 63.6511, 163.0327



87.5421, 63.6511, 51.8244

Complementary

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



44.4683, 63.6511, 30.7110



47.3104, 34.4257, 77.5536

Split Complementary

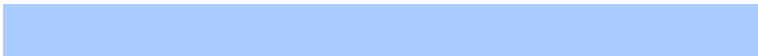
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7530, 63.6511, 88.2471



44.4683, 63.6511, 30.7110



67.4529, 63.6511, 162.1997

Square

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



44.4683, 63.6511, 30.7110



44.8359, 63.6511, 133.3612



79.9810, 63.6511, 131.3771



79.4401, 63.6511, 29.9679

Rectangle

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



44.4683, 63.6511, 30.7110



39.0882, 63.6511, 76.6255



79.9810, 63.6511, 131.3771



88.5730, 63.6511, 62.4667

Sweetspot

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



44.4699, 63.6538, 30.7124



81.3067, 93.4794, 82.7599



57.7675, 61.6967, 29.6338



16.9487, 19.7926, 16.8646



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.



44.4699, 63.6538, 30.7124



52.2209, 79.5972, 31.1540



42.7487, 62.5369, 41.0059



14.4873, 16.2428, 15.2761



16.8820, 32.4845, 5.3804



1.3263, 2.4411, 0.4013

Inverse Universe

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



47.3104, 34.4257, 77.5536



56.2778, 37.3315, 98.8473



50.4609, 36.4415, 60.0061



14.6654, 14.4453, 18.1596



18.7067, 8.7096, 43.0783



1.4598, 0.6835, 3.1870

Previews

White Background



This preview shows how the XYZ color 44.4683, 63.6511, 30.7110 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 44.4683, 63.6511, 30.7110 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 44.4683, 63.6511, 30.7110

Background



This preview shows how black text looks on a background with the XYZ color 44.4683, 63.6511, 30.7110.



This preview shows how white text looks on a background with the XYZ color 44.4683, 63.6511,

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

44.4683, 63.6511, 30.7110

Protanopia

58.0636, 63.0109, 27.5144

Deuteranopia

64.2917, 62.9484, 32.0543



Tritanopia

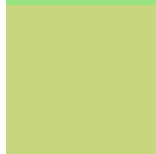
55.6260, 63.4299, 86.4022

Trichromacy



Original Color

44.4683, 63.6511, 30.7110



Protanomaly

51.8215, 62.3609, 28.7076



Deuteranomaly

55.0118, 62.0828, 31.2740



Tritanomaly

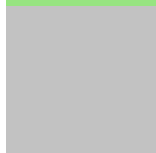
50.3438, 62.8079, 61.0995

Monochromacy



Original Color

44.4683, 63.6511, 30.7110



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.6871, 56.5099, 46.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4683, 63.6511, 30.7110 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(151, 228, 129)` looks like.

```
.text, #text, p{  
    color:rgb(151, 228, 129)  
}
```

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(151, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 228, 129) }
```

Border

The CSS property to change the border of an element to XYZ 44.4683, 63.6511, 30.7110 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(151, 228, 129) }
```


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

```
.border{ border-color:rgb(151, 228, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 228, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 228, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 228, 129); box-shadow:4px 4px 4px 4px rgb(151, 228, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4683, 63.6511, 30.7110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 228, 129) }
```

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

```
.background{ background-color: rgb(151,  
228, 129) }
```

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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