

Converting Colors

XYZ(46.6668, 63.6767, 44.0137)

Have a look what the booklet for
XYZ(46.6668, 63.6767, 44.0137)
contains.

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Color

**XYZ(46.6668, 63.6767,
44.0137)**

Conversions

Conversions Part 1

Format	Color
Hex	98E2A2
RGB	152, 226, 162
RGB Percent	60%, 89%, 64%
CMY	0.4039, 0.1137, 0.3647
CMYK	0.33, 0.00, 0.28, 0.11
HSL	128°, 56%, 74%
HSV	128°, 33%, 89%
XYZ	46.6668, 63.6767, 44.0137
YIQ	196.5780, -23.5600, -35.5920

Conversions

Conversions Part 2

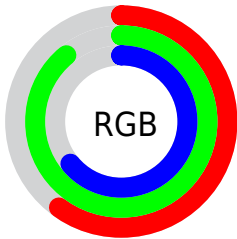
Format	Color
RYB	152, 217, 226
Decimal	10019490
CIELab	83.80, -35.71, 24.19
CIELCh	84, 43.128, 145.891
Yxy	63.6767, 0.3023, 0.4125
Android (android.graphics.Color)	4288209570 (0xFF98E2A2)
YUV	196.5780, -17.0470, -39.0949
Hunter-Lab	79.7977, -35.2566, 23.1560

Details

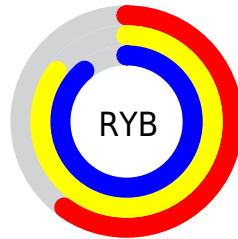
The XYZ color **46.6668, 63.6767, 44.0137** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.9890, 43.5844, 70.4824**, and the grayscale version is **52.9275, 55.6838, 60.6397**.

A 20% lighter version of the original color is **74.2968, 89.9397, 79.0899**, and **22.2262, 32.4719, 19.8481** is the 20% darker color. If you saturate the color by 10%, you get **41.2286, 61.0604, 35.3840**, and if you desaturate by 10%, it is **53.1844, 66.8218, 54.1064**.

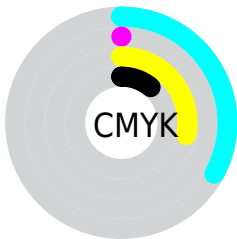
Distribution



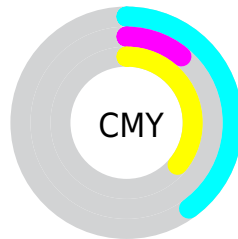
- Red (60%)
- Green (89%)
- Blue (64%)



- Red (60%)
- Yellow (85%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)





- Cyan (40%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6668, 63.6767, 44.0137 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 46.6668, 63.6767, 44.0137 by changing the saturation by 10% instead.


 46.6668, 63.6767,
44.0137


 46.6668, 63.6767,
44.0137


364.1541,
438.0212, 378.8072

 32.9792, 46.3889,
30.3440


 84.4378, 110.1452,
82.5411

 22.2696, 32.5528,
19.8456


 109.2519,
140.0947, 108.2358

 14.1729, 21.7841,
12.0999

138.5055,
175.0335, 138.7760

 8.3235, 13.6983,
6.6884

172.5641,
215.3460, 174.5801

 4.3562, 7.9112,
3.1925

211.7928,
261.4166, 216.0668

 1.9055, 4.0381,
1.1938

256.5572,

 0.5801, 1.6949,

313.6298, 263.6545

0.0000

307.2225,
372.3698, 317.7617

■ 0.0000, 0.4204,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.6668, 63.6767,
44.0137

■ 46.6668, 63.6767,
44.0137

■ 41.2286, 61.0604,
35.3840

■ 53.1844, 66.8218,
54.1064

■ 36.8065, 58.9364,
28.1453

■ 60.8302, 70.5143,
65.7212

■ 33.3381, 57.2758,
22.2262

■ 69.6563, 74.7813,
78.9188

■ 30.7522, 56.0436,
17.5468

■ 79.7099, 79.6461,
93.7557

■ 28.9674, 55.1997,
14.0190

■ 86.4876, 82.8752,
106.0459

■ 27.8865, 54.6962,
11.5427

■ 27.4389, 54.4917,
10.3368

Harmonies

Analogous

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



52.9167, 63.6767, 32.2117



46.6668, 63.6767, 44.0137



44.1206, 63.6767, 65.6638

Triad

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



46.6668, 63.6767, 44.0137



59.2276, 63.6767, 135.4191



78.4215, 63.6767, 48.9685

Complementary

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



46.6668, 63.6767, 44.0137



54.9890, 43.5844, 70.4824

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.



80.5566, 63.6767, 73.1366



46.6668, 63.6767, 44.0137



68.8249, 63.6767, 127.6072

Square

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



46.6668, 63.6767, 44.0137



50.8775, 63.6767, 122.0782



76.8812, 63.6767, 102.8714



71.3160, 63.6767, 34.5051

Rectangle

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



46.6668, 63.6767, 44.0137



44.6483, 63.6767, 84.6101



76.8812, 63.6767, 102.8714



79.7740, 63.6767, 56.0154

Sweetspot

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



46.6685, 63.6794, 44.0151



82.9332, 94.1405, 90.8504



61.2247, 71.2820, 40.2382



17.4142, 19.9871, 18.9397



0.0000, 0.0000, 0.0000



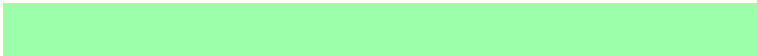
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6685, 63.6794, 44.0151



56.5439, 81.4073, 50.2642



50.4404, 65.1881, 63.8778



13.6038, 15.3673, 14.9490



15.6781, 31.0961, 6.0280



1.1113, 2.1652, 0.5474

Inverse Universe

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



54.9890, 43.5844, 70.4824



69.0141, 51.2706, 89.9170



50.7443, 41.8865, 48.1302



14.2112, 13.9021, 16.8821



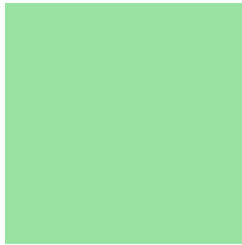
23.5747, 11.4969, 30.7560



1.6564, 0.8058, 2.2496

Previews

White Background



This preview shows how the XYZ color 46.6668, 63.6767, 44.0137 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 46.6668, 63.6767, 44.0137 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 46.6668, 63.6767, 44.0137

Background



This preview shows how black text looks on a background with the XYZ color 46.6668, 63.6767, 44.0137.



This preview shows how white text looks on a background with the XYZ color 46.6668, 63.6767,

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

46.6668, 63.6767, 44.0137

Protanopia

58.8200, 63.1328, 39.6576

Deuteranopia

64.3401, 63.0130, 45.8174



Tritanopia

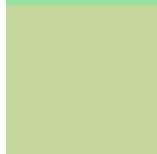
55.3900, 63.6732, 87.2127

Trichromacy



Original Color

46.6668, 63.6767, 44.0137



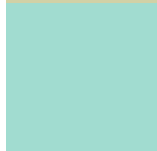
Protanomaly

53.4122, 62.9055, 41.2251



Deuteranomaly

55.9779, 61.9094, 45.0758



Tritanomaly

51.6763, 63.3175, 69.1724

Monochromacy



Original Color

46.6668, 63.6767, 44.0137



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.2637, 58.3962, 53.9698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6668, 63.6767, 44.0137 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(152, 226, 162)` looks like.

```
.text, #text, p{  
    color:rgb(152, 226, 162)  
}
```

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(152, 226, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 226, 162) }
```

Border

The CSS property to change the border of an element to XYZ 46.6668, 63.6767, 44.0137 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(152, 226, 162) }
```


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

```
.border{ border-color:rgb(152, 226, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 226, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 226, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 226, 162);  
box-shadow:4px 4px 4px 4px rgb(152, 226,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6668, 63.6767, 44.0137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 226, 162) }
```

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

```
.background{ background-color: rgb(152,  
226, 162) }
```

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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