

Converting Colors

XYZ(45.4787, 65.4305, 29.9710)

Have a look what the booklet for
XYZ(45.4787, 65.4305, 29.9710)
contains.

XYZ(45.4787, 65.4305, 29.9710)	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(45.4787, 65.4305,
29.9710)**

Conversions

Conversions Part 1

Format	Color
Hex	99E77E
RGB	153, 231, 126
RGB Percent	60%, 91%, 49%
CMY	0.4000, 0.0941, 0.5059
CMYK	0.34, 0.00, 0.45, 0.09
HSL	105°, 69%, 70%
HSV	105°, 45%, 91%
XYZ	45.4787, 65.4305, 29.9710
YIQ	195.7080, -12.7830, -49.1910

Conversions

Conversions Part 2

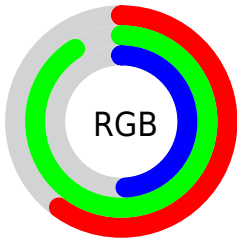
Format	Color
RYB	126, 231, 204
Decimal	10086270
CIELab	84.71, -43.00, 43.53
CIELCh	85, 61.186, 134.649
Yxy	65.4305, 0.3228, 0.4644
Android (android.graphics.Color)	4288276350 (0xFF99E77E)
YUV	195.7080, -34.3660, -37.4549
Hunter-Lab	80.8891, -41.1970, 34.6543

Details

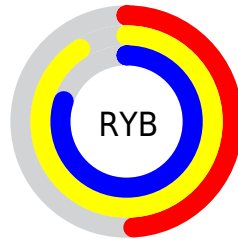
The XYZ color **45.4787, 65.4305, 29.9710** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.7894, 33.5306, 79.6108**, and the grayscale version is **52.5007, 55.2348, 60.1507**.

A 20% lighter version of the original color is **70.5766, 88.5169, 56.5457**, and **21.6030, 33.7510, 11.8546** is the 20% darker color. If you saturate the color by 10%, you get **41.1479, 63.3526, 22.8658**, and if you desaturate by 10%, it is **50.6228, 67.8918, 38.9133**.

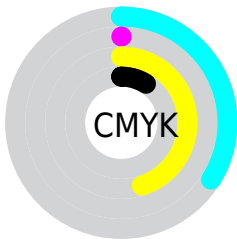
Distribution



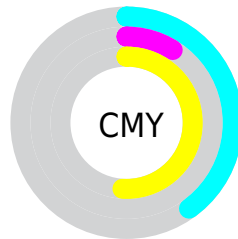
- Red (60%)
- Green (91%)
- Blue (49%)



- Red (49%)
- Yellow (91%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)



- Cyan (40%)
- Magenta (9%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4787, 65.4305, 29.9710 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 45.4787, 65.4305, 29.9710 by changing the saturation by 10% instead.


 45.4787, 65.4305,
29.9710


 45.4787, 65.4305,
29.9710


359.4600,
444.3374, 315.9724


 32.0375, 47.8102,
19.5647


 82.6709, 112.6686,
60.6768

 21.5459, 33.6766,
11.8981


 107.1527,
143.0551, 81.8133

 13.6383, 22.6453,
6.5526


 136.0454,
178.4660, 107.3638

 7.9496, 14.3318,
3.1098

169.7144,
219.2854, 137.7466

 4.1142, 8.3518,
1.1510

208.5250,
265.8979, 173.3803

 1.7670, 4.3209,
0.0000

252.8425,

 0.4976, 1.8546,

318.6878, 214.6834

0.0000

303.0324,
378.0395, 262.0746

0.0000, 0.5209,
0.0000

0.0000, 0.0000,
0.0000

45.4787, 65.4305,
29.9710

45.4787, 65.4305,
29.9710

41.1479, 63.3526,
22.8658

50.6228, 67.8918,
38.9133

37.5816, 61.6300,
17.4661


56.6158, 70.7464,
49.8039


34.7333, 60.2436,
13.6295


63.4966, 74.0142,
62.7498

32.5484, 59.1690,
11.1887

71.3006, 77.7112,
77.8495

 30.9630, 58.3778,
9.9378

 80.0609, 81.8525,
95.1947

 30.4044, 58.0964,
9.6113

 87.8673, 85.6345,
106.5058

Harmonies

Analogous

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



55.7734, 65.4305, 20.3947



45.4787, 65.4305, 29.9710



40.1207, 65.4305, 53.1058

Triad

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



45.4787, 65.4305, 29.9710



55.4841, 65.4305, 171.3484



91.2608, 65.4305, 53.8429

Complementary

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



45.4787, 65.4305, 29.9710



46.7894, 33.5306, 79.6108

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.



91.1531, 65.4305, 93.0999



45.4787, 65.4305, 29.9710



69.0802, 65.4305, 171.7780

Square

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



45.4787, 65.4305, 29.9710



45.2938, 65.4305, 138.3615



82.5622, 65.4305, 139.3810



82.8381, 65.4305, 30.3393

Rectangle

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



45.4787, 65.4305, 29.9710



39.4881, 65.4305, 77.5226



82.5622, 65.4305, 139.3810



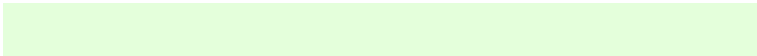
92.2566, 65.4305, 65.3114

Sweetspot

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



45.4803, 65.4333, 29.9724



80.7328, 93.2227, 80.9638



58.0796, 61.2100, 28.4932



16.8523, 19.7506, 16.5120



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.



45.4803, 65.4333, 29.9724



51.5675, 79.3133, 28.7354



42.7275, 63.8086, 39.1314



14.5350, 16.2673, 15.2783



17.1421, 32.6185, 5.3925



1.3515, 2.4541, 0.4025

Inverse Universe

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



46.7894, 33.5306, 79.6108



53.3474, 34.4752, 98.4504



51.6197, 36.3929, 63.0181



14.6144, 14.4190, 18.1572



17.6967, 8.1889, 43.0311



1.3927, 0.6489, 3.1838

Previews

White Background



This preview shows how the XYZ color 45.4787, 65.4305, 29.9710 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 45.4787, 65.4305, 29.9710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

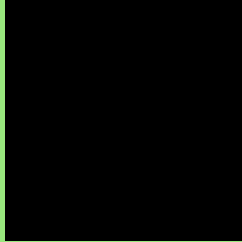
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4787, 65.4305, 29.9710

Background



This preview shows how black text looks on a background with the XYZ color 45.4787, 65.4305, 29.9710.



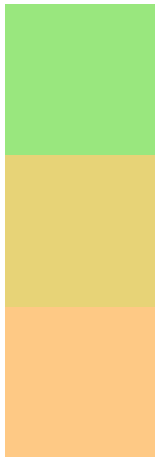
This preview shows how white text looks on a background with the XYZ color 45.4787, 65.4305,

29.9710.

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

45.4787, 65.4305, 29.9710

Protanopia

59.5790, 64.9094, 26.8414

Deuteranopia

65.9933, 64.5376, 31.1691



Tritanopia

57.2250, 64.9696, 88.8812

Trichromacy



Original Color

45.4787, 65.4305, 29.9710



Protanomaly

53.2129, 64.2445, 28.0082



Deuteranomaly

56.1880, 63.4504, 30.4048



Tritanomaly

51.8685, 64.7602, 61.9908

Monochromacy



Original Color

45.4787, 65.4305, 29.9710



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

48.9735, 58.2445, 47.1892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4787, 65.4305, 29.9710 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, 231, 126)` looks like.

```
.text, #text, p{  
    color:rgb(153, 231, 126)  
}
```

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, 231, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 231, 126) }
```

Border

The CSS property to change the border of an element to XYZ 45.4787, 65.4305, 29.9710 is called "border". The border property can be set on classes, ids or directly on the HTML element.

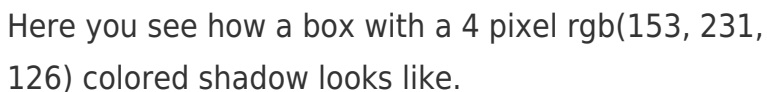
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 231, 126) }
```


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

```
.border{ border-color:rgb(153, 231, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 231, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 231, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 231, 126);  
box-shadow:4px 4px 4px 4px rgb(153, 231,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4787, 65.4305, 29.9710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 231, 126) }
```

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

```
.background{ background-color: rgb(153,  
231, 126) }
```

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