

# Converting Colors

XYZ(45.8626, 65.7469, 64.4930)

Have a look what the booklet for  
XYZ(45.8626, 65.7469, 64.4930)  
contains.

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# Color

**XYZ(45.7544, 65.6526,  
64.2935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DE9C7
RGB	109, 233, 199
RGB Percent	43%, 91%, 78%
CMY	0.5725, 0.0863, 0.2196
CMYK	0.53, 0.00, 0.15, 0.09
HSL	164°, 74%, 67%
HSV	164°, 53%, 91%
XYZ	45.7544, 65.6526, 64.2935
YIQ	192.0480, -62.9900, -36.8620

# Conversions

## Conversions Part 2

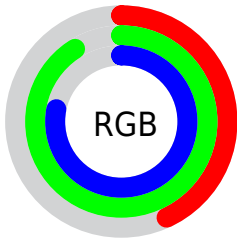
Format	Color
<a href="#">RYB</a>	<a href="#">109, 181, 233</a>
Decimal	<a href="#">7203271</a>
CIELab	<a href="#">84.82, -42.70, 6.04</a>
CIELCh	<a href="#">85, 43.125, 171.954</a>
Yxy	<a href="#">65.6526, 0.2604, 0.3737</a>
Android (android.graphics.Color)	<a href="#">4285393351 (0xFF6DE9C7)</a>
YUV	<a href="#">192.0480, 3.4273, -72.8331</a>
Hunter-Lab	<a href="#">81.0263, -40.9996, 9.6724</a>

# Details

The XYZ color **45.7544, 65.6526, 64.2935** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.0331, 30.2458, 29.5063**, and the grayscale version is **50.1395, 52.7507, 57.4455**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **21.7878, 33.9809, 32.1987** is the 20% darker color. If you saturate the color by 10%, you get **42.5330, 64.0775, 60.3522**, and if you desaturate by 10%, it is **49.7702, 67.6369, 68.4375**.

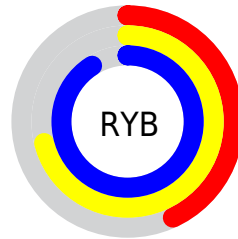
# Distribution



Red (43%)

Green (91%)

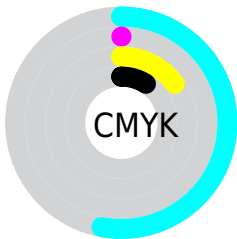
Blue (78%)



Red (43%)

Yellow (71%)

Blue (91%)

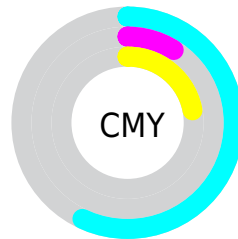


Cyan (53%)

Magenta (0%)

Yellow (15%)

Black (9%)



Cyan (57%)

Magenta (9%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7544, 65.6526, 64.2935 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 45.7544, 65.6526, 64.2935 by changing the saturation by 10% instead.





 45.7544, 65.6526,  
64.2935


 45.7544, 65.6526,  
64.2935


360.5529,  
445.1334, 458.4853


 32.2559, 47.9904,  
46.4407


 83.0814, 112.9876,  
112.6370

 21.7135, 33.8193,  
32.2426


 107.6406,  
143.4292, 143.9649

 13.7620, 22.7548,  
21.2805

 136.6174,  
178.8994, 180.6215

 8.0359, 14.4126,  
13.1360

170.3772,  
219.7826, 223.0255

 4.1699, 8.4082,  
7.3904

209.2853,  
266.4632, 271.5953

 1.7987, 4.3572,  
3.6253

253.7070,

 0.5169, 1.8753,

319.3257, 326.7495

1.4221

304.0078,  
378.7543, 388.9067

■ 0.0000, 0.5335,  
0.1589

■ 0.0000, 0.0000,  
0.0000

■ 45.7544, 65.6526,  
64.2935

■ 45.7544, 65.6526,  
64.2935

■ 42.5330, 64.0775,  
60.3522

■ 49.7702, 67.6369,  
68.4375

■ 40.0387, 62.8720,  
56.6042


■ 54.6300, 70.0511,  
72.7840


■ 38.2020, 62.0020,  
53.0455


■ 60.3857, 72.9234,  
77.3390

■ 36.9363, 61.4229,  
49.6703


■ 67.0833, 76.2776,  
82.1064

 36.3120, 61.1489,  
47.4801

 74.7659, 80.1357,  
87.0900

 83.4734, 84.5185,  
92.2935

 86.6677, 86.0552,  
97.4128

 87.6536, 86.4495,  
102.6043

 88.4301, 86.7601,  
106.6934

# Harmonies

## Analogous

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



48.8842, 65.6526, 43.4530



45.7544, 65.6526, 64.2935



46.7077, 65.6526, 93.2782

# Triad

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



45.7544, 65.6526, 64.2935



69.6073, 65.6526, 133.0567



74.5645, 65.6526, 37.2379

# Complementary

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



45.7544, 65.6526, 64.2935



44.0331, 30.2458, 29.5063

# 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.



81.2657, 65.6526, 53.3809



45.7544, 65.6526, 64.2935



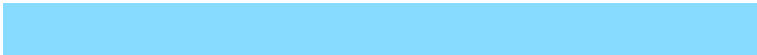
78.2042, 65.6526, 109.5430

# Square

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



45.7544, 65.6526, 64.2935



59.8366, 65.6526, 138.1665



82.6622, 65.6526, 79.1927



65.0372, 65.6526, 30.6850

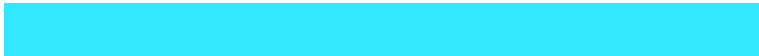


# Rectangle

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



45.7544, 65.6526, 64.2935



49.5796, 65.6526, 113.2797



82.6622, 65.6526, 79.1927



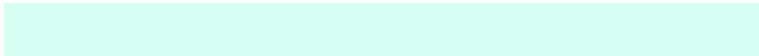
77.2612, 65.6526, 41.4885

# Sweetspot

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



45.7562, 65.6552, 64.2950



79.8506, 92.3665, 99.0584



43.4262, 65.3260, 24.7895



16.7217, 19.5851, 20.9423



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.



45.7562, 65.6552, 64.2950



51.8175, 78.4506, 73.5467



43.1201, 53.3437, 85.1175



15.3312, 17.0473, 18.4269



20.6582, 34.7178, 27.2289



1.6623, 2.7422, 2.3495



# Inverse Universe

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



44.0331, 30.2458, 29.5063



49.5331, 30.6730, 26.8083



45.1521, 36.0004, 19.0381



15.2352, 15.1219, 16.5237



19.6359, 10.0570, 3.8840

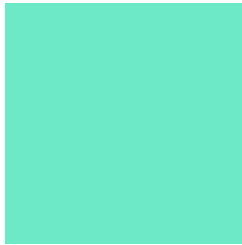


1.5813, 0.8055, 0.5123



# Previews

## White Background



This preview shows how the XYZ color 45.7544, 65.6526, 64.2935 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

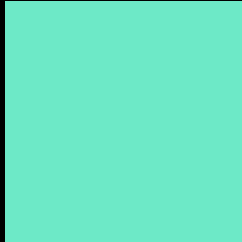
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.7544, 65.6526, 64.2935 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

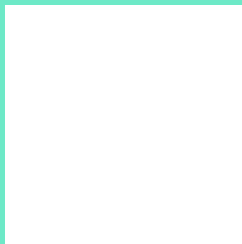
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.7544, 65.6526, 64.2935**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.7544, 65.6526, 64.2935.



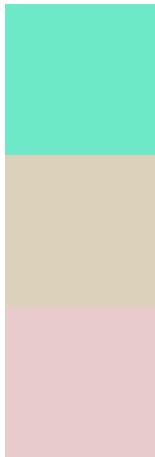
This preview shows how white text looks on a background with the XYZ color 45.7544, 65.6526,



# 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

45.7544, 65.6526, 64.2935

### Protanopia

61.5314, 64.8967, 56.2970

### Deuteranopia

65.6541, 64.2755, 66.7037



## **Tritanopia**

52.2627, 65.8158, 96.3354

# Trichromacy



## Original Color

45.7544, 65.6526, 64.2935



## Protanomaly

53.2978, 63.6077, 58.7586



## Deuteranomaly

55.3196, 62.9697, 65.7386



## Tritanomaly

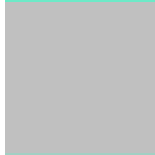
49.6307, 65.5620, 83.4377

# Monochromacy



## Original Color

45.7544, 65.6526, 64.2935



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

47.0634, 56.2472, 60.0060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7544, 65.6526, 64.2935 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(109, 233, 199)` looks like.

```
.text, #text, p{  
    color:rgb(109, 233, 199)  
}
```

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(109, 233, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 233, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7544, 65.6526, 64.2935 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(109, 233, 199) }
```



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

```
.border{ border-color:rgb(109, 233, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 233, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 233, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 233, 199);  
box-shadow:4px 4px 4px 4px rgb(109, 233,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7544, 65.6526, 64.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 233, 199) }
```

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

```
.background{ background-color: rgb(109,  
233, 199) }
```

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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