

Converting Colors

XYZ(43.2989, 66.7564, 53.7395)

Have a look what the booklet for
XYZ(43.2989, 66.7564, 53.7395)
contains.

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Color

**XYZ(43.3270, 66.7715,
53.7846)**

Conversions

Conversions Part 1

Format	Color
Hex	5DEEB4
RGB	93, 238, 180
RGB Percent	36%, 93%, 71%
CMY	0.6353, 0.0667, 0.2941
CMYK	0.61, 0.00, 0.24, 0.07
HSL	156°, 81%, 65%
HSV	156°, 61%, 93%
XYZ	43.3270, 66.7715, 53.7846
YIQ	188.0330, -67.8020, -48.7780

Conversions

Conversions Part 2

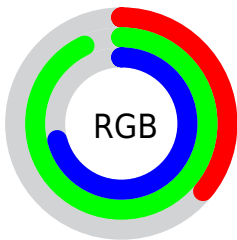
Format	Color
R_{YB}	93, 184, 238
Decimal	6155956
CIE _{Lab}	85.39, -52.21, 16.71
CIE _{LCh}	85, 54.820, 162.255
Yxy	66.7715, 0.2644, 0.4074
Android (android.graphics.Color)	4284346036 (0xFF5DEEB4)
YUV	188.0330, -3.9603, -83.3439
Hunter-Lab	81.7138, -48.3534, 18.1746

Details

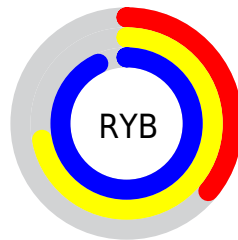
The XYZ color **43.3270, 66.7715, 53.7846** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **44.7625, 28.2419, 32.3730**, and the grayscale version is **47.8698, 50.3628, 54.8450**.

A 20% lighter version of the original color is **64.4179, 84.5447, 92.2805**, and **20.3546, 34.5801, 25.6805** is the 20% darker color. If you saturate the color by 10%, you get **40.3458, 65.3446, 48.7558**, and if you desaturate by 10%, it is **47.1278, 68.6167, 59.2025**.

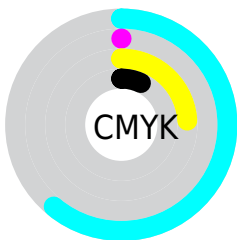
Distribution



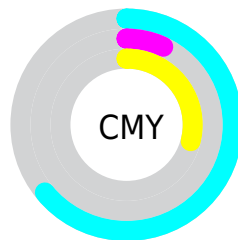
- Red (36%)
- Green (93%)
- Blue (71%)



- Red (36%)
- Yellow (72%)
- Blue (93%)



- Cyan (61%)
- Magenta (0%)
- Yellow (24%)
- Black (7%)





- Cyan (64%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.3270, 66.7715, 53.7846 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 43.3270, 66.7715, 53.7846 by changing the saturation by 10% instead.


 43.3270, 66.7715,
53.7846


 43.3270, 66.7715,
53.7846


350.8536,
449.1310, 418.4395


 30.3374, 48.8990,
38.0375


 79.4567, 114.5929,
97.2111


 20.2442, 34.5393,
25.7097

 103.3276,
145.3106, 125.7276

 12.6820, 23.3082,
16.3828


 131.5562,
181.0788, 159.3376

 7.2854, 14.8213,
9.6381

 164.5080,
222.2819, 198.4597

 3.6891, 8.6940,
5.0573

202.5482,
269.3042, 243.5123

 1.5278, 4.5422,
2.2216

246.0423,

 0.3446, 1.9812,

322.5303, 294.9142

0.6868

295.3557,
382.3444, 353.0837

■ 0.0000, 0.5965,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.3270, 66.7715,
53.7846

■ 43.3270, 66.7715,
53.7846

■ 40.3458, 65.3446,
48.7558

■ 47.1278, 68.6167,
59.2025

■ 38.1053, 64.2903,
44.1011

■ 51.8070, 70.9051,
65.0146


■ 36.5197, 63.5662,
39.8108

■ 57.4241, 73.6690,
71.2317

■ 35.5184, 63.1285,
36.2197

■ 64.0315, 76.9353,
77.8626

 71.6778, 80.7289,
84.9158

 80.4081, 85.0730,
92.3995

 88.5496, 89.1049,
100.2412

 89.8657, 89.6314,
107.1719

Harmonies

Analogous

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



48.7213, 66.7715, 32.9182



43.3270, 66.7715, 53.7846



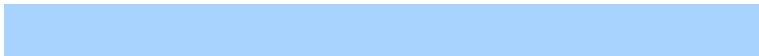
42.8695, 66.7715, 88.2087

Triad

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



43.3270, 66.7715, 53.7846



68.6698, 66.7715, 162.1198



82.8338, 66.7715, 35.7265

Complementary

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



43.3270, 66.7715, 53.7846



44.7625, 28.2419, 32.3730

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.



89.7810, 66.7715, 59.1297



43.3270, 66.7715, 53.7846



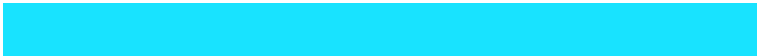
80.9166, 66.7715, 135.9901

Square

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



43.3270, 66.7715, 53.7846



56.4598, 66.7715, 159.2423



89.0368, 66.7715, 95.6063



71.0255, 66.7715, 25.0783

Rectangle

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



43.3270, 66.7715, 53.7846



45.3336, 66.7715, 115.6563



89.0368, 66.7715, 95.6063



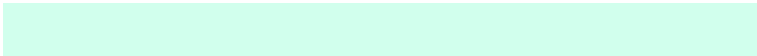
85.8803, 66.7715, 41.9679

Sweetspot

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



43.3288, 66.7742, 53.7861



77.3162, 91.1833, 93.3699



45.7682, 68.7551, 21.2159



16.0177, 19.2538, 19.4805



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.



43.3288, 66.7742, 53.7861



46.4967, 76.0970, 55.7050



47.1227, 62.8503, 90.5397



15.9641, 17.8157, 18.8339



19.8806, 35.2442, 20.5518



1.7029, 2.9516, 1.9677

Inverse Universe

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



44.7625, 28.2419, 32.3730



48.3406, 27.4905, 28.8694



42.2978, 29.0893, 13.7425



16.0348, 15.8636, 17.7392



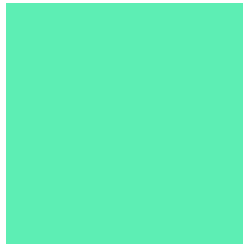
20.8888, 10.6280, 7.3310



1.7856, 0.9033, 0.8618

Previews

White Background



This preview shows how the XYZ color 43.3270, 66.7715, 53.7846 looks on a white background.

Color Contrast Check

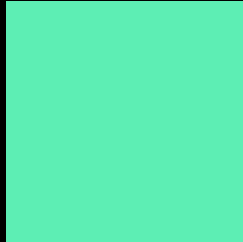
Large Text (above 18pt) WCAG AA × Fail

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 43.3270, 66.7715, 53.7846 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 43.3270, 66.7715, 53.7846

Background



This preview shows how black text looks on a background with the XYZ color 43.3270, 66.7715, 53.7846.

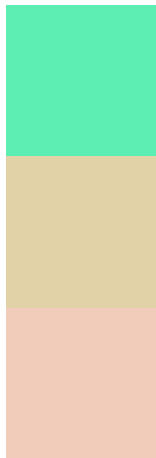


This preview shows how white text looks on a background with the XYZ color 43.3270, 66.7715,

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

43.3270, 66.7715, 53.7846

Protanopia

61.3207, 65.3861, 45.9481

Deuteranopia

66.8381, 65.4744, 56.1288



Tritanopia

52.1650, 66.5289, 98.8989

Trichromacy



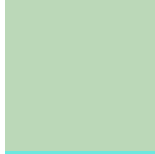
Original Color

43.3270, 66.7715, 53.7846



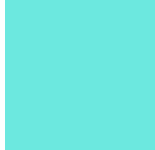
Protanomaly

51.4343, 64.0386, 48.6795



Deuteranomaly

53.7011, 63.1372, 54.7038



Tritanomaly

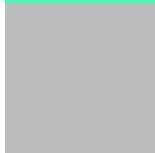
48.3602, 66.2291, 80.0467

Monochromacy



Original Color

43.3270, 66.7715, 53.7846



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.9651, 54.4177, 54.0854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.3270, 66.7715, 53.7846 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(93, 238, 180)` looks like.

```
.text, #text, p{  
    color:rgb(93, 238, 180)  
}
```

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(93, 238, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 238, 180) }
```

Border

The CSS property to change the border of an element to XYZ 43.3270, 66.7715, 53.7846 is called "border". The border property can be set on classes, ids or directly on the HTML element.

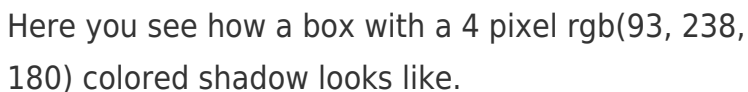
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 238, 180) }
```


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

```
.border{ border-color:rgb(93, 238, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 238, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 238, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 238, 180);  
box-shadow:4px 4px 4px 4px rgb(93, 238,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 43.3270, 66.7715, 53.7846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 238, 180) }
```

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

```
.background{ background-color: rgb(93, 238,  
180) }
```

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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