

Converting Colors

XYZ(44.4271, 70.1452, 52.6685)

Have a look what the booklet for
XYZ(44.4271, 70.1452, 52.6685)
contains.

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Color

**XYZ(44.4063, 69.9995,
52.7658)**

Conversions

Conversions Part 1

Format	Color
Hex	59F4B1
RGB	89, 244, 177
RGB Percent	35%, 96%, 69%
CMY	0.6510, 0.0431, 0.3059
CMYK	0.64, 0.00, 0.27, 0.04
HSL	154°, 88%, 65%
HSV	154°, 64%, 96%
XYZ	44.4063, 69.9995, 52.7658
YIQ	190.0170, -70.8730, -53.6970

Conversions

Conversions Part 2

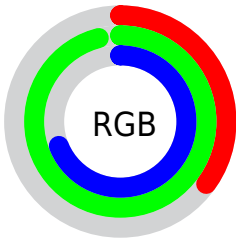
Format	Color
R_{YB}	89, 188, 244
Decimal	5895345
CIE _{Lab}	87.00, -55.97, 20.49
CIE _{LCh}	87, 59.605, 159.898
Yxy	69.9995, 0.2656, 0.4187
Android (android.graphics.Color)	4284085425 (0xFF59F4B1)
YUV	190.0170, -6.4174, -88.5919
Hunter-Lab	83.6657, -51.6746, 21.1733

Details

The XYZ color **44.4063, 69.9995, 52.7658** 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 **46.8836, 28.7797, 34.5391**, and the grayscale version is **49.0200, 51.5729, 56.1629**.

A 20% lighter version of the original color is **63.6048, 84.1755, 89.9860**, and **21.4084, 36.9959, 25.0814** is the 20% darker color. If you saturate the color by 10%, you get **41.4305, 68.5841, 47.3499**, and if you desaturate by 10%, it is **48.2428, 71.8529, 58.6493**.

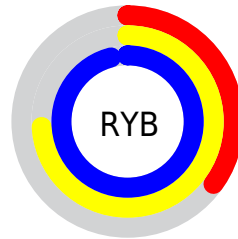
Distribution



Red (35%)

Green (96%)

Blue (69%)



Red (35%)

Yellow (74%)

Blue (96%)

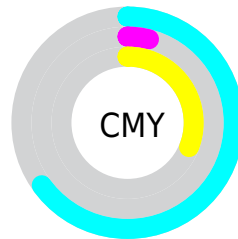


Cyan (64%)

Magenta (0%)

Yellow (27%)

Black (4%)



Cyan (65%)


Magenta (4%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4063, 69.9995, 52.7658 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 44.4063, 69.9995, 52.7658 by changing the saturation by 10% instead.

 44.4063, 69.9995,
52.7658


 44.4063, 69.9995,
52.7658


355.1880,
460.5482, 414.4267


 31.1893, 51.5261,
37.2294


 81.0713, 119.2080,
95.6977


 20.8956, 36.6275,
25.0880


 105.2501,
150.7120, 123.9303

 13.1597, 24.9192,
15.9230


 133.8136,
187.3283, 157.2320

 7.6164, 16.0169,
9.3159

 167.1270,
229.4413, 196.0214

 3.9002, 9.5361,
4.8482

205.5558,
277.4354, 240.7171

 1.6458, 5.0925,
2.1013


249.4654,


 0.4220, 2.3016,


331.6950, 291.7375


0.6165


299.2210,
392.6045, 349.5012


 0.0000, 0.7746,
0.0000


 0.0000, 0.0000,
0.0000


 44.4063, 69.9995,
52.7658


 44.4063, 69.9995,
52.7658


 41.4305, 68.5841,
47.3499


 48.2428, 71.8529,
58.6493

 39.2278, 67.5562,
42.3834


 53.0052, 74.1722,
65.0080


 37.7009, 66.8677,
37.8534


 58.7586, 76.9926,
71.8555

 36.9777, 66.5542,
35.1432

 65.5606, 80.3436,
79.2032

 73.4641, 84.2522,
87.0620

 82.5182, 88.7437,
95.4423

 90.9785, 92.9185,
104.2706

 91.6419, 93.1838,
107.7640

Harmonies

Analogous

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



50.7812, 69.9995, 31.1981



44.4063, 69.9995, 52.7658



43.4708, 69.9995, 90.1860

Triad

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



44.4063, 69.9995, 52.7658



71.2460, 69.9995, 179.5783



89.2821, 69.9995, 36.8275

Complementary

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



44.4063, 69.9995, 52.7658



46.8836, 28.7797, 34.5391

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.



96.5774, 69.9995, 63.7715



44.4063, 69.9995, 52.7658



85.2442, 69.9995, 151.5614

Square

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



44.4063, 69.9995, 52.7658



57.7406, 69.9995, 173.3951



95.0045, 69.9995, 105.7553



76.1743, 69.9995, 24.4756

Rectangle

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



44.4063, 69.9995, 52.7658



45.8998, 69.9995, 121.2307



95.0045, 69.9995, 105.7553



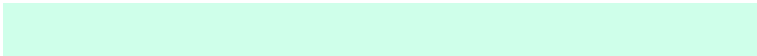
92.5731, 69.9995, 44.0054

Sweetspot

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



44.4082, 70.0023, 52.7674



76.2260, 90.6644, 91.3670



47.8986, 72.5101, 20.9234



15.7944, 19.1484, 19.0301



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.



44.4082, 70.0023, 52.7674



45.0691, 75.4674, 50.8325



49.7791, 67.3143, 95.9605



16.6764, 18.6297, 19.5802



20.1756, 36.2151, 19.4763



1.8247, 3.2035, 1.9830

Inverse Universe

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



46.8836, 28.7797, 34.5391



48.0283, 26.6624, 29.3925



43.6069, 28.9429, 12.7403



16.7965, 16.6015, 18.6752



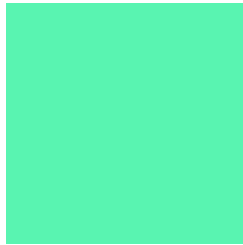
21.7514, 11.0440, 8.6655



1.9623, 0.9909, 1.0276

Previews

White Background



This preview shows how the XYZ color 44.4063, 69.9995, 52.7658 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 44.4063, 69.9995, 52.7658 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 44.4063, 69.9995, 52.7658

Background



This preview shows how black text looks on a background with the XYZ color 44.4063, 69.9995, 52.7658.



This preview shows how white text looks on a background with the XYZ color 44.4063, 69.9995,

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

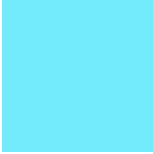
44.4063, 69.9995, 52.7658

Protanopia

64.2117, 68.7810, 45.0137

Deuteranopia

70.0242, 68.5710, 55.4438



Tritanopia

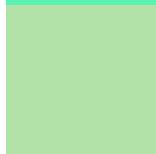
54.3549, 69.6505, 103.5076

Trichromacy



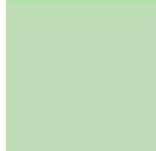
Original Color

44.4063, 69.9995, 52.7658



Protanomaly

52.9482, 66.8410, 47.6471



Deuteranomaly

55.5352, 66.0375, 54.0755



Tritanomaly

50.1090, 69.6495, 82.0368

Monochromacy



Original Color

44.4063, 69.9995, 52.7658



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.9404, 56.3683, 54.4105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4063, 69.9995, 52.7658 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(89, 244, 177)` looks like.

```
.text, #text, p{  
    color:rgb(89, 244, 177)  
}
```

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(89, 244, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 244, 177) }
```

Border

The CSS property to change the border of an element to XYZ 44.4063, 69.9995, 52.7658 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(89, 244, 177) }
```


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

```
.border{ border-color:rgb(89, 244, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 244, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 244, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 244, 177);  
box-shadow:4px 4px 4px 4px rgb(89, 244,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4063, 69.9995, 52.7658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 244, 177) }
```

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

```
.background{ background-color: rgb(89, 244,  
177) }
```

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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