

Converting Colors

XYZ(54.4724, 72.8785, 77.5661)

Have a look what the booklet for
XYZ(54.4724, 72.8785, 77.5661)
contains.

XYZ(54.4624, 72.8711, 77.5247)	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(54.4624, 72.8711,
77.5247)**

Conversions

Conversions Part 1

Format	Color
Hex	8BF0DA
RGB	139, 240, 218
RGB Percent	55%, 94%, 85%
CMY	0.4549, 0.0588, 0.1451
CMYK	0.42, 0.00, 0.09, 0.06
HSL	167°, 77%, 74%
HSV	167°, 42%, 94%
XYZ	54.4624, 72.8711, 77.5247
YIQ	207.2930, -53.1340, -28.2540

Conversions

Conversions Part 2

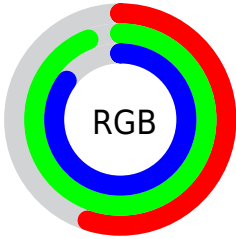
Format	Color
R _Y B	139, 196, 240
Decimal	9171162
CIE Lab	88.39, -34.65, 1.39
CIE LCh	88, 34.674, 177.708
Yxy	72.8711, 0.2659, 0.3557
Android (android.graphics.Color)	4287361242 (0xFF8BF0DA)
YUV	207.2930, 5.2786, -59.8930
Hunter-Lab	85.3646, -35.5054, 5.9104

Details

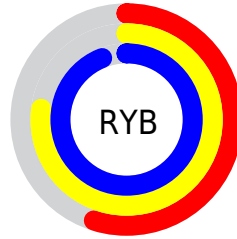
The XYZ color **54.4624, 72.8711, 77.5247** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.6033, 39.5656, 38.6380**, and the grayscale version is **59.4903, 62.5884, 68.1588**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **27.1447, 38.6747, 40.6846** is the 20% darker color. If you saturate the color by 10%, you get **50.2134, 70.7603, 73.8117**, and if you desaturate by 10%, it is **59.6167, 75.4498, 81.3959**.

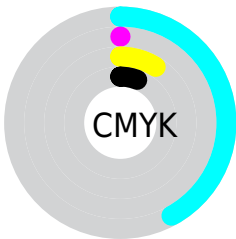
Distribution



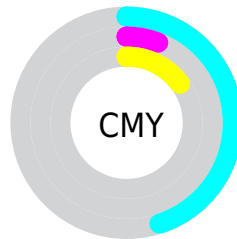
- Red (55%)
- Green (94%)
- Blue (85%)



- Red (55%)
- Yellow (77%)
- Blue (94%)



- Cyan (42%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)





- Cyan (45%)
- Magenta (6%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.4624, 72.8711, 77.5247 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 54.4624, 72.8711, 77.5247 by changing the saturation by 10% instead.


 54.4624, 72.8711,
77.5247


 54.4624, 72.8711,
77.5247


394.0405,
470.5679, 506.0362

 39.2036, 53.8706,
57.1695


 95.9058, 123.2942,
131.6597

 27.0996, 38.4982,
40.7311


 122.8210,
155.4856, 166.2765

 17.7850, 26.3696,
27.7909


154.3525,
192.8427, 206.4842

 10.8945, 17.1003,
17.9304

190.8656,
235.7499, 252.7015

 6.0627, 10.3060,
10.7311

232.7255,
284.5916, 305.3468

 2.9243, 5.6023,
5.7744

280.2978,

 1.1138, 2.6048,

339.7523, 364.8386

2.6419

333.9476,
401.6163, 431.5956

■ 0.0367, 0.9291,
0.9139

■ 0.0000, 0.0000,
0.0000

■ 54.4624, 72.8711,
77.5247

■ 54.4624, 72.8711,
77.5247

■ 50.2134, 70.7603,
73.8117

■ 59.6167, 75.4498,
81.3959

■ 46.8052, 69.0787,
70.2481


■ 65.7232, 78.5150,
85.4239


■ 44.1744, 67.7954,
66.8315


■ 72.8329, 82.0948,
89.6134


■ 42.2458, 66.8716,
63.5573


■ 80.9914, 86.2127,
93.9677


 40.9288, 66.2607,
60.4203

 88.7523, 90.1231,
98.4201

 40.2084, 65.9415,
58.0280

 89.5583, 90.4455,
102.6645

 90.3871, 90.7770,
107.0286

 90.4514, 90.8027,
107.3671

Harmonies

Analogous

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



56.5884, 72.8711, 57.2802



54.4624, 72.8711, 77.5247



56.0307, 72.8711, 102.6345

Triad

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



54.4624, 72.8711, 77.5247



76.9772, 72.8711, 127.2629



78.1732, 72.8711, 46.5487

Complementary

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



54.4624, 72.8711, 77.5247



51.6033, 39.5656, 38.6380

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.



84.4273, 72.8711, 59.8742



54.4624, 72.8711, 77.5247



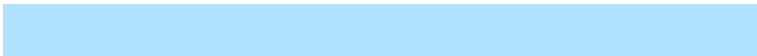
83.6988, 72.8711, 106.4513

Square

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



54.4624, 72.8711, 77.5247



68.6235, 72.8711, 134.5534



86.5252, 72.8711, 81.1920



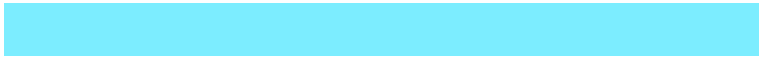
69.9040, 72.8711, 41.7770

Rectangle

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



54.4624, 72.8711, 77.5247



59.0360, 72.8711, 118.3316



86.5252, 72.8711, 81.1920



80.6051, 72.8711, 50.0259

Sweetspot

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



54.4645, 72.8740, 77.5264



82.7472, 93.7895, 102.3688



50.8382, 71.9281, 35.6314



17.3082, 19.8717, 21.6806



0.0000, 0.0000, 0.0000



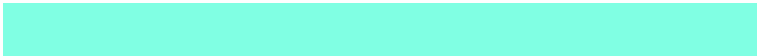
20.3446, 21.4041, 23.3091

Same Dimension

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



54.4645, 72.8740, 77.5264



58.4832, 81.6290, 85.5094



50.1888, 59.4048, 91.2625



16.0913, 17.8666, 19.5039



22.0613, 36.1165, 32.0355



1.8714, 3.0190, 2.8550

Inverse Universe

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



51.6033, 39.5656, 38.6380



54.8337, 38.9440, 35.7586



54.2218, 47.6397, 30.7649



15.9137, 15.8152, 17.1020



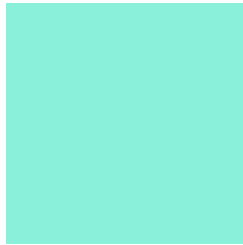
20.0544, 10.2942, 2.9371



1.7042, 0.8707, 0.4332

Previews

White Background



This preview shows how the XYZ color 54.4624, 72.8711, 77.5247 looks on a white background.

Color Contrast Check

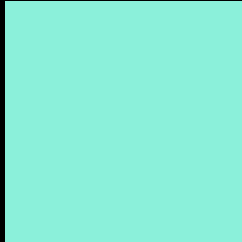
Large Text (above 18pt) WCAG AA × Fail

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 54.4624, 72.8711, 77.5247 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

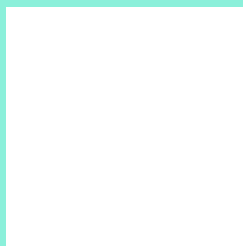
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.4624, 72.8711, 77.5247

Background



This preview shows how black text looks on a background with the XYZ color 54.4624, 72.8711, 77.5247.

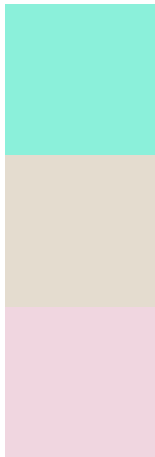


This preview shows how white text looks on a background with the XYZ color 54.4624, 72.8711,

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

54.4624, 72.8711, 77.5247

Protanopia

68.8506, 72.1854, 69.3358

Deuteranopia

73.4363, 72.0002, 80.5479



Tritanopia

59.9921, 72.9620, 104.6871

Trichromacy



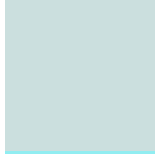
Original Color

54.4624, 72.8711, 77.5247



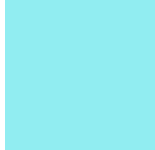
Protanomaly

61.9919, 71.3771, 72.1378



Deuteranomaly

64.2011, 70.7458, 79.3788



Tritanomaly

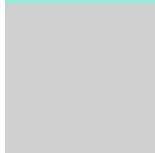
57.8384, 72.9390, 94.2493

Monochromacy



Original Color

54.4624, 72.8711, 77.5247



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

56.3808, 65.3113, 71.2628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.4624, 72.8711, 77.5247 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(139, 240, 218)` looks like.

```
.text, #text, p{  
    color:rgb(139, 240, 218)  
}
```

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(139, 240, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 240, 218) }
```

Border

The CSS property to change the border of an element to XYZ 54.4624, 72.8711, 77.5247 is called "border". The border property can be set on classes, ids or directly on the HTML element.

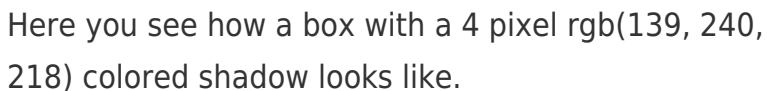
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 240, 218) }
```


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

```
.border{ border-color:rgb(139, 240, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 240, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 240, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 240, 218); box-shadow:4px 4px 4px 4px rgb(139, 240, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 54.4624, 72.8711, 77.5247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 240, 218) }
```

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

```
.background{ background-color: rgb(139,  
240, 218) }
```

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