

Converting Colors

XYZ(47.0553, 67.3794, 55.1640)

Have a look what the booklet for
XYZ(47.0553, 67.3794, 55.1640)
contains.

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Color

**XYZ(47.1577, 67.4248,
55.3286)**

Conversions

Conversions Part 1

Format	Color
Hex	80EBB7
RGB	128, 235, 183
RGB Percent	50%, 92%, 72%
CMY	0.4980, 0.0784, 0.2823
CMYK	0.46, 0.00, 0.22, 0.08
HSL	151°, 73%, 71%
HSV	151°, 46%, 92%
XYZ	47.1577, 67.4248, 55.3286
YIQ	197.0790, -47.0800, -38.8560

Conversions

Conversions Part 2

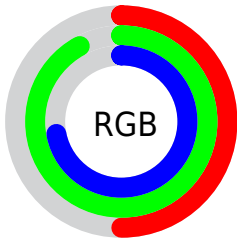
Format	Color
RYB	128, 199, 235
Decimal	8448951
CIELab	85.72, -42.61, 15.78
CIELCh	86, 45.438, 159.681
Yxy	67.4248, 0.2775, 0.3968
Android (android.graphics.Color)	4286639031 (0xFF80EBB7)
YUV	197.0790, -6.9409, -60.5823
Hunter-Lab	82.1126, -41.1836, 17.5284

Details

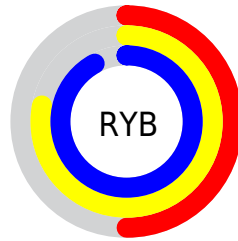
The XYZ color **47.1577, 67.4248, 55.3286** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.2206, 36.3974, 47.5611**, and the grayscale version is **53.1811, 55.9507, 60.9303**.

A 20% lighter version of the original color is **71.3476, 88.0663, 94.8994**, and **22.6752, 35.1540, 26.7094** is the 20% darker color. If you saturate the color by 10%, you get **42.8832, 65.3548, 49.1736**, and if you desaturate by 10%, it is **52.3509, 69.9608, 62.0331**.

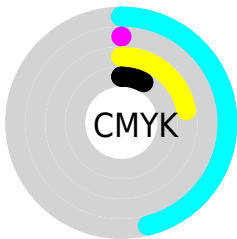
Distribution



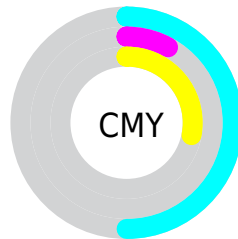
- Red (50%)
- Green (92%)
- Blue (72%)



- Red (50%)
- Yellow (78%)
- Blue (92%)



- Cyan (46%)
- Magenta (0%)
- Yellow (22%)
- Black (8%)



- Cyan (50%)
- Magenta (8%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1577, 67.4248, 55.3286 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 47.1577, 67.4248, 55.3286 by changing the saturation by 10% instead.


 47.1577, 67.4248,
55.3286


 47.1577, 67.4248,
55.3286


366.0821,
451.4554, 424.4733


 33.3688, 49.4299,
39.2645


 85.1663, 115.5289,
99.4982

 22.5697, 34.9606,
26.6561


 110.1167,
146.4069, 128.4408

 14.3951, 23.6326,
17.0850


 139.5183,
182.3481, 162.5133

 8.4795, 15.0613,
10.1325

173.7365,
223.7368, 202.1342

 4.4576, 8.8624,
5.3801

213.1366,
270.9575, 247.7222

 1.9641, 4.6515,
2.4094

258.0840,

 0.6137, 2.0443,

324.3946, 299.6957

0.7915

308.9440,
384.4324, 358.4732

■ 0.0000, 0.6330,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.1577, 67.4248,
55.3286

■ 47.1577, 67.4248,
55.3286

■ 42.8832, 65.3548,
49.1736

■ 52.3509, 69.9608,
62.0331

■ 39.4622, 63.7122,
43.5489


■ 58.5112, 72.9822,
69.2965


■ 36.8296, 62.4654,
38.4405


■ 65.6903, 76.5171,
77.1338


■ 34.9075, 61.5745,
33.8319

■ 73.9342, 80.5891,
85.5579

 33.6003, 60.9906,
29.7052

 83.2863, 85.2202,
94.5813

 33.1481, 60.7946,
28.0103

 88.4456, 87.6776,
103.9662

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



52.1865, 67.4248, 37.6730



47.1577, 67.4248, 55.3286



46.3827, 67.4248, 83.4338

Triad

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



47.1577, 67.4248, 55.3286



67.4945, 67.4248, 145.2528



80.6749, 67.4248, 42.6744

Complementary

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



47.1577, 67.4248, 55.3286



50.2206, 36.3974, 47.5611

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.



85.8008, 67.4248, 64.2306



47.1577, 67.4248, 55.3286



77.6676, 67.4248, 126.6686

Square

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



47.1577, 67.4248, 55.3286



57.4125, 67.4248, 140.9798



84.6446, 67.4248, 95.0651



71.2560, 67.4248, 31.8513

Rectangle

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



47.1577, 67.4248, 55.3286



48.2868, 67.4248, 105.4495



84.6446, 67.4248, 95.0651



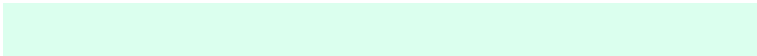
83.0009, 67.4248, 48.6287

Sweetspot

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



47.1595, 67.4275, 55.3301



80.4450, 92.7791, 94.2878



52.7804, 70.8625, 31.3190



16.7861, 19.6452, 19.7264



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.



47.1595, 67.4275, 55.3301



51.7498, 78.7289, 59.3922



53.6081, 70.0070, 89.2878



15.1915, 16.9914, 17.6915



18.5125, 33.8595, 15.9298



1.5023, 2.6782, 1.5068

Inverse Universe

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



50.2206, 36.3974, 47.5611



55.8802, 36.8797, 48.9243



45.8784, 34.6605, 24.6951



15.3705, 15.1761, 17.2364



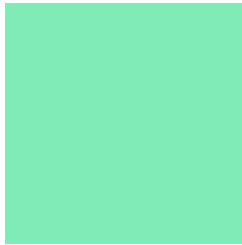
20.8288, 10.5342, 10.1657



1.6840, 0.8466, 1.0534

Previews

White Background



This preview shows how the XYZ color 47.1577, 67.4248, 55.3286 looks on a white background.

Color Contrast Check

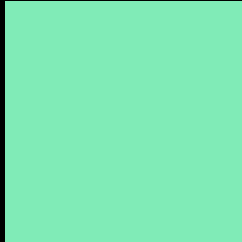
Large Text (above 18pt) WCAG AA × Fail

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 47.1577, 67.4248, 55.3286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

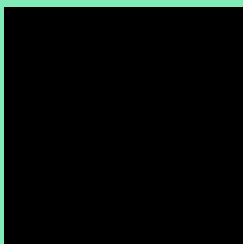
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

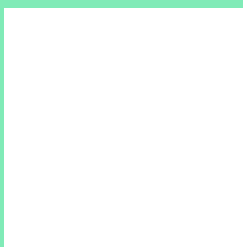
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1577, 67.4248, 55.3286

Background



This preview shows how black text looks on a background with the XYZ color 47.1577, 67.4248, 55.3286.



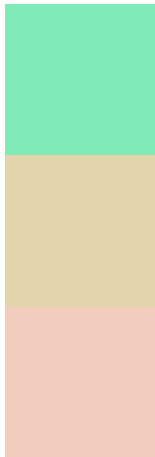
This preview shows how white text looks on a background with the XYZ color 47.1577, 67.4248,

55.3286.

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

47.1577, 67.4248, 55.3286

Protanopia

62.6047, 66.7358, 48.6114

Deuteranopia

67.6346, 66.2140, 57.3600



Tritanopia

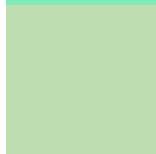
55.4521, 67.4600, 96.4847

Trichromacy



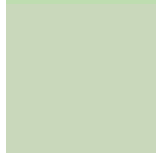
Original Color

47.1577, 67.4248, 55.3286



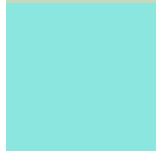
Protanomaly

54.9281, 65.7946, 50.8789



Deuteranomaly

57.6129, 65.1171, 56.5460



Tritanomaly

51.9629, 67.2708, 79.3531

Monochromacy



Original Color

47.1577, 67.4248, 55.3286



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.8220, 59.1650, 58.6633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1577, 67.4248, 55.3286 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(128, 235, 183)` looks like.

```
.text, #text, p{  
    color:rgb(128, 235, 183)  
}
```

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(128, 235, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 235, 183) }
```

Border

The CSS property to change the border of an element to XYZ 47.1577, 67.4248, 55.3286 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(128, 235, 183) }
```


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

```
.border{ border-color:rgb(128, 235, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 235, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 235, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 235, 183);  
box-shadow:4px 4px 4px 4px rgb(128, 235,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1577, 67.4248, 55.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 235, 183) }
```

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

```
.background{ background-color: rgb(128,  
235, 183) }
```

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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