

Converting Colors

XYZ(41.3441, 54.9978, 48.9879)

Have a look what the booklet for
XYZ(41.3441, 54.9978, 48.9879)
contains.

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Color

**XYZ(41.3487, 55.0020,
48.9946)**

Conversions

Conversions Part 1

Format	Color
Hex	89D3AF
RGB	137, 211, 175
RGB Percent	54%, 83%, 69%
CMY	0.4627, 0.1725, 0.3137
CMYK	0.35, 0.00, 0.17, 0.17
HSL	151°, 46%, 68%
HSV	151°, 35%, 83%
XYZ	41.3487, 55.0020, 48.9946
YIQ	184.7700, -32.5480, -26.8840

Conversions

Conversions Part 2

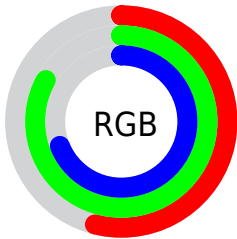
Format	Color
RYB	137, 186, 211
Decimal	9032623
CIELab	79.04, -30.81, 10.61
CIELCh	79, 32.581, 161.000
Yxy	55.0020, 0.2845, 0.3784
Android (android.graphics.Color)	4287222703 (0xFF89D3AF)
YUV	184.7700, -4.8166, -41.8943
Hunter-Lab	74.1633, -30.2657, 12.7455

Details

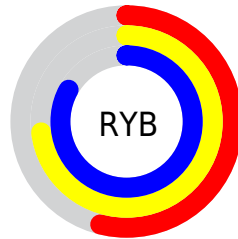
The XYZ color **41.3487, 55.0020, 48.9946** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.3544, 34.7588, 43.9616**, and the grayscale version is **46.0264, 48.4233, 52.7330**.

A 20% lighter version of the original color is **71.9220, 88.4960, 88.8920**, and **19.1198, 27.0918, 22.9604** is the 20% darker color. If you saturate the color by 10%, you get **37.2522, 53.0038, 43.7389**, and if you desaturate by 10%, it is **46.2012, 57.3841, 54.6882**.

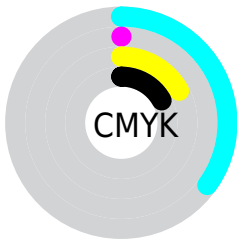
Distribution



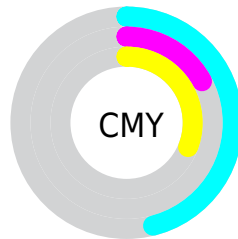
- Red (54%)
- Green (83%)
- Blue (69%)



- Red (54%)
- Yellow (73%)
- Blue (83%)



- Cyan (35%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)



- Cyan (46%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3487, 55.0020, 48.9946 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 41.3487, 55.0020, 48.9946 by changing the saturation by 10% instead.

■ 41.3487, 55.0020,
48.9946

■ 41.3487, 55.0020,
48.9946

342.8136,
405.9195, 399.3429

■ 28.7805, 39.4033,
34.2496

■ 76.4843, 97.5439,
90.0643

■ 19.0583, 27.0736,
22.8065

■ 99.7825, 125.2559,
117.2262

■ 11.8167, 17.6285,
14.2468

■ 127.3880,
157.7744, 149.3641

■ 6.6903, 10.6836,
8.1518

159.6663,
195.4840, 186.8965

■ 3.3138, 5.8545,
4.1031

196.9826,
238.7688, 230.2421

■ 1.3218, 2.7568,
1.6821

239.7024,

■ 0.1994, 1.0061,

288.0135, 279.8193

0.3484

288.1909,
343.6022, 336.0468

■ 0.0000, 0.0000,
0.0000

■ 41.3487, 55.0020,
48.9946

■ 41.3487, 55.0020,
48.9946

■ 37.2522, 53.0038,
43.7389

■ 46.2012, 57.3841,
54.6882

■ 33.8660, 51.3616,
38.9067

■ 51.8433, 60.1627,
60.8262

■ 31.1461, 50.0544,
34.4878


■ 58.3119, 63.3581,
67.4200


■ 29.0414, 49.0561,
30.4704


■ 65.6401, 66.9873,
74.4791


■ 27.4930, 48.3366,
26.8419


■ 73.8593, 71.0662,
82.0128

 26.4292, 47.8591,
23.5885

 79.7621, 73.9412,
89.8787

 26.0206, 47.6806,
22.1169

 81.3021, 74.5572,
97.9884

 82.5852, 75.0705,
104.7451

Harmonies

Analogous

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



44.5141, 55.0020, 36.7712



41.3487, 55.0020, 48.9946



40.9647, 55.0020, 66.9661

Triad

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



41.3487, 55.0020, 48.9946



54.6942, 55.0020, 102.2431



62.2677, 55.0020, 39.3758

Complementary

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



41.3487, 55.0020, 48.9946



43.3544, 34.7588, 43.9616

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.



65.5026, 55.0020, 53.3267



41.3487, 55.0020, 48.9946



60.8954, 55.0020, 91.0955

Square

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



41.3487, 55.0020, 48.9946



48.3212, 55.0020, 100.4118



64.9805, 55.0020, 72.2867



56.4446, 55.0020, 32.0635

Rectangle

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



41.3487, 55.0020, 48.9946



42.2985, 55.0020, 80.2349



64.9805, 55.0020, 72.2867



63.7148, 55.0020, 43.3090

Sweetspot

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



41.3502, 55.0043, 48.9958



83.3528, 94.2148, 97.2883



45.2670, 57.3957, 32.3605



17.5563, 20.0253, 20.5304



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.



41.3502, 55.0043, 48.9958



58.7217, 82.1134, 69.1890



45.3705, 56.6124, 70.1666



11.9061, 13.3062, 13.8617



15.7548, 28.7949, 13.6209



0.9209, 1.6260, 0.9724

Inverse Universe

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



43.3544, 34.7588, 43.9616



62.2401, 46.5788, 60.3567



40.3266, 33.5477, 28.0178



12.0450, 11.9027, 13.5125



17.7308, 8.9652, 8.7544



1.0314, 0.5173, 0.7003

Previews

White Background



This preview shows how the XYZ color 41.3487, 55.0020, 48.9946 looks on a white background.

Color Contrast Check

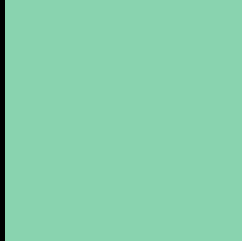
Large Text (above 18pt) WCAG AA × Fail

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 41.3487, 55.0020, 48.9946 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

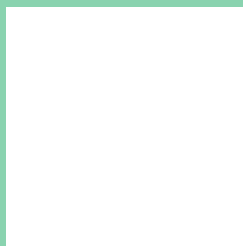
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3487, 55.0020, 48.9946

Background



This preview shows how black text looks on a background with the XYZ color 41.3487, 55.0020, 48.9946.

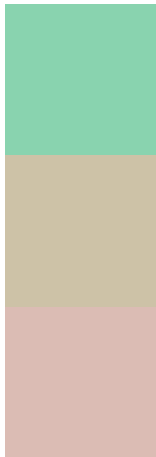


This preview shows how white text looks on a background with the XYZ color 41.3487, 55.0020,

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

41.3487, 55.0020, 48.9946

Protanopia

51.4437, 54.3527, 44.3390

Deuteranopia

55.4349, 54.3218, 50.7434



Tritanopia

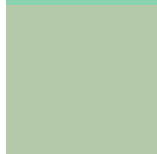
46.9151, 55.0861, 76.5666

Trichromacy



Original Color

41.3487, 55.0020, 48.9946



Protanomaly

46.7324, 53.9141, 45.9736



Deuteranomaly

48.7621, 53.5130, 49.8785



Tritanomaly

44.5396, 54.8249, 65.3615

Monochromacy



Original Color

41.3487, 55.0020, 48.9946



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.7807, 50.2446, 51.1067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3487, 55.0020, 48.9946 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(137, 211, 175)` looks like.

```
.text, #text, p{  
    color:rgb(137, 211, 175)  
}
```

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(137, 211, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 211, 175) }
```

Border

The CSS property to change the border of an element to XYZ 41.3487, 55.0020, 48.9946 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(137, 211, 175) }
```


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

```
.border{ border-color:rgb(137, 211, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 211, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 211, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 211, 175);  
box-shadow:4px 4px 4px 4px rgb(137, 211,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3487, 55.0020, 48.9946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 211, 175) }
```

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

```
.background{ background-color: rgb(137,  
211, 175) }
```

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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