

Converting Colors

XYZ(40.7485, 54.9796, 47.8254)

Have a look what the booklet for
XYZ(40.7485, 54.9796, 47.8254)
contains.

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Color

**XYZ(40.9178, 55.1724,
48.0279)**

Conversions

Conversions Part 1

Format	Color
Hex	86D4AD
RGB	134, 212, 173
RGB Percent	53%, 83%, 68%
CMY	0.4745, 0.1686, 0.3216
CMYK	0.37, 0.00, 0.18, 0.17
HSL	150°, 48%, 68%
HSV	150°, 37%, 83%
XYZ	40.9178, 55.1724, 48.0279
YIQ	184.2320, -33.9690, -28.6650

Conversions

Conversions Part 2

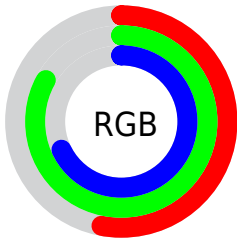
Format	Color
RYB	134, 186, 212
Decimal	8836269
CIELab	79.14, -32.55, 11.79
CIELCh	79, 34.619, 160.087
Yxy	55.1724, 0.2839, 0.3828
Android (android.graphics.Color)	4287026349 (0xFF86D4AD)
YUV	184.2320, -5.5374, -44.0535
Hunter-Lab	74.2781, -31.6559, 13.6580

Details

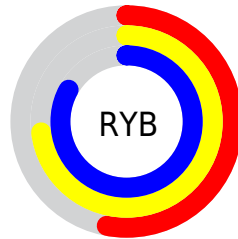
The XYZ color **40.9178, 55.1724, 48.0279** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.2211, 34.0657, 43.8346**, and the grayscale version is **45.7325, 48.1141, 52.3963**.

A 20% lighter version of the original color is **70.9988, 88.0686, 86.6557**, and **18.8164, 27.1999, 22.3475** is the 20% darker color. If you saturate the color by 10%, you get **36.8863, 53.2095, 42.6960**, and if you desaturate by 10%, it is **45.7110, 57.5216, 53.8227**.

Distribution



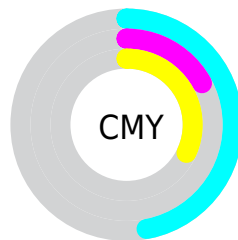
- Red (53%)
- Green (83%)
- Blue (68%)



- Red (53%)
- Yellow (73%)
- Blue (83%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (17%)





- Cyan (47%)
- Magenta (17%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9178, 55.1724, 48.0279 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 40.9178, 55.1724, 48.0279 by changing the saturation by 10% instead.


 40.9178, 55.1724,
48.0279


 40.9178, 55.1724,
48.0279


341.0454,
406.5651, 395.4146

 28.4422, 39.5398,
33.4888


 75.8346, 97.7935,
88.6119

 18.8015, 27.1799,
22.2270


 99.0065, 125.5508,
115.4940

 11.6301, 17.7084,
13.8239

 126.4747,
158.1184, 147.3274

 6.5627, 10.7408,
7.8609

158.6043,
195.8807, 184.5308

 3.2340, 5.8928,
3.9196

195.7609,
239.2221, 227.5227

 1.2787, 2.7800,
1.5813

238.3097,

 0.1672, 1.0180,

288.5271, 276.7216

0.2774

286.6161,
344.1799, 332.5460

■ 0.0000, 0.0000,
0.0000

■ 40.9178, 55.1724,
48.0279

■ 40.9178, 55.1724,
48.0279

■ 36.8863, 53.2095,
42.6960

■ 45.7110, 57.5216,
53.8227

■ 33.5696, 51.6043,
37.8116

■ 51.3006, 60.2703,
60.0879

■ 30.9219, 50.3351,
33.3633


■ 57.7244, 63.4392,
66.8358


■ 28.8904, 49.3748,
29.3383


■ 65.0165, 67.0457,
74.0768


■ 27.4135, 48.6919,
25.7226


■ 73.2091, 71.1062,
81.8210

 26.4114, 48.2456,
22.5010

 80.0129, 74.4403,
89.9698

 26.1459, 48.1296,
21.5472

 81.6047, 75.0771,
98.3523

 82.8345, 75.5690,
104.8282

Harmonies

Analogous

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



44.3440, 55.1724, 35.4196



40.9178, 55.1724, 48.0279



40.4209, 55.1724, 66.9845

Triad

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



40.9178, 55.1724, 48.0279



54.8004, 55.1724, 105.8407



63.2707, 55.1724, 38.7583

Complementary

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



40.9178, 55.1724, 48.0279



43.2211, 34.0657, 43.8346

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.



66.6321, 55.1724, 53.6547



40.9178, 55.1724, 48.0279



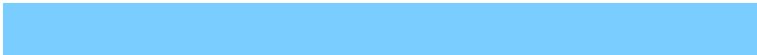
61.4653, 55.1724, 94.1242

Square

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



40.9178, 55.1724, 48.0279



48.0452, 55.1724, 103.4001



65.9438, 55.1724, 73.9812



57.0943, 55.1724, 30.9389

Rectangle

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



40.9178, 55.1724, 48.0279



41.7673, 55.1724, 81.2298



65.9438, 55.1724, 73.9812



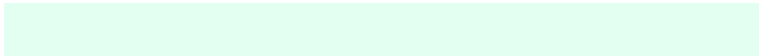
64.7909, 55.1724, 42.9518

Sweetspot

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



40.9193, 55.1747, 48.0291



83.2962, 94.1921, 96.9899



45.3708, 57.8438, 31.3286



17.5428, 20.0199, 20.4593



0.0000, 0.0000, 0.0000



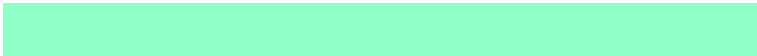
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9193, 55.1747, 48.0291



57.3501, 81.4606, 66.6717



45.0971, 56.8458, 70.0291



12.5188, 13.9985, 14.5463



16.1911, 29.7318, 13.5680



1.0184, 1.8100, 1.0384

Inverse Universe

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



43.2211, 34.0657, 43.8346



61.3299, 44.9639, 59.4195



40.0724, 32.8062, 27.2535



12.6796, 12.5233, 14.2532



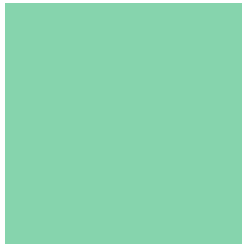
18.4187, 9.3038, 9.5087



1.1527, 0.5779, 0.7935

Previews

White Background



This preview shows how the XYZ color 40.9178, 55.1724, 48.0279 looks on a white background.

Color Contrast Check

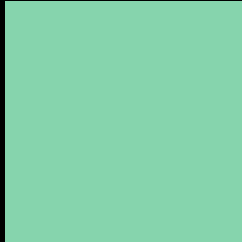
Large Text (above 18pt) WCAG AA × Fail

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 40.9178, 55.1724, 48.0279 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 40.9178, 55.1724, 48.0279

Background



This preview shows how black text looks on a background with the XYZ color 40.9178, 55.1724, 48.0279.



This preview shows how white text looks on a background with the XYZ color 40.9178, 55.1724,

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

40.9178, 55.1724, 48.0279

Protanopia

51.6695, 54.8324, 42.9824

Deuteranopia

55.5343, 54.3964, 49.6921



Tritanopia

46.6932, 54.9563, 77.2539

Trichromacy



Original Color

40.9178, 55.1724, 48.0279



Protanomaly

46.6841, 54.2666, 44.5732



Deuteranomaly

48.7890, 53.8859, 48.9039



Tritanomaly

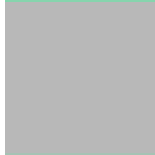
44.4395, 55.1341, 65.4265

Monochromacy



Original Color

40.9178, 55.1724, 48.0279



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.2559, 49.9859, 50.5484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9178, 55.1724, 48.0279 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(134, 212, 173)` looks like.

```
.text, #text, p{  
    color:rgb(134, 212, 173)  
}
```

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(134, 212, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 212, 173) }
```

Border

The CSS property to change the border of an element to XYZ 40.9178, 55.1724, 48.0279 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(134, 212, 173) }
```


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

```
.border{ border-color:rgb(134, 212, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 212, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 212, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 212, 173);  
box-shadow:4px 4px 4px 4px rgb(134, 212,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9178, 55.1724, 48.0279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 212, 173) }
```

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

```
.background{ background-color: rgb(134,  
212, 173) }
```

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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