

Converting Colors

XYZ(34.4407, 45.0356, 46.5015)

Have a look what the booklet for
XYZ(34.4407, 45.0356, 46.5015)
contains.

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Color

**XYZ(34.4979, 45.2220,
46.4456)**

Conversions

Conversions Part 1

Format	Color
Hex	79C1AD
RGB	121, 193, 173
RGB Percent	47%, 76%, 68%
CMY	0.5255, 0.2431, 0.3216
CMYK	0.37, 0.00, 0.10, 0.24
HSL	163°, 37%, 62%
HSV	163°, 37%, 76%
XYZ	34.4979, 45.2220, 46.4456
YIQ	169.1920, -36.4920, -21.4840

Conversions

Conversions Part 2

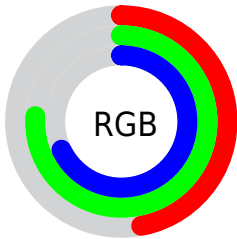
Format	Color
R _{YB}	121, 163, 193
Decimal	7979437
CIE Lab	73.04, -27.12, 2.96
CIE LCh	73, 27.284, 173.772
Yxy	45.2220, 0.2734, 0.3584
Android (android.graphics.Color)	4286169517 (0xFF79C1AD)
YUV	169.1920, 1.8773, -42.2644
Hunter-Lab	67.2473, -26.1122, 6.1234

Details

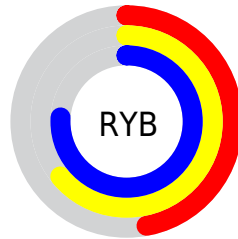
The XYZ color **34.4979, 45.2220, 46.4456** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.6389, 26.9364, 28.6273**, and the grayscale version is **37.8120, 39.7812, 43.3217**.

A 20% lighter version of the original color is **66.0937, 83.2028, 85.9750**, and **15.0677, 21.0747, 21.3628** is the 20% darker color. If you saturate the color by 10%, you get **31.5509, 43.7627, 43.6542**, and if you desaturate by 10%, it is **38.0094, 46.9723, 49.3741**.

Distribution



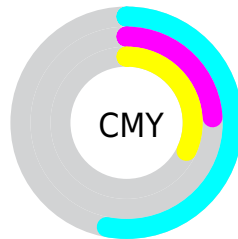
- Red (47%)
- Green (76%)
- Blue (68%)



- Red (47%)
- Yellow (64%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (10%)
- Black (24%)





- Cyan (53%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4979, 45.2220, 46.4456 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 34.4979, 45.2220, 46.4456 by changing the saturation by 10% instead.


 34.4979, 45.2220,
46.4456


 34.4979, 45.2220,
46.4456


313.8935,
367.6719, 388.9267


 23.4411, 31.6323,
32.2464

 66.0464, 83.0534,
86.2268

 15.0420, 21.0808,
21.2834


 87.2687, 108.0640,
112.6458

 8.9354, 13.1831,
13.1381


 112.6102,
137.6503, 143.9753

 4.7558, 7.5547,
7.3918

142.4363,
172.1968, 180.6336

 2.1380, 3.8114,
3.6262

177.1124,
212.0878, 223.0393

 0.7097, 1.5686,
1.4226

217.0037,

 0.0000, 0.3363,

257.7077, 271.6111

0.1593

262.4756,
309.4409, 326.7674

■ 0.0000, 0.0000,
0.0000

■ 34.4979, 45.2220,
46.4456

■ 34.4979, 45.2220,
46.4456

■ 31.5509, 43.7627,
43.6542

■ 38.0094, 46.9723,
49.3741

■ 29.1318, 42.5720,
40.9939

■ 42.1116, 49.0234,
52.4392

■ 27.2058, 41.6331,
38.4629


■ 46.8335, 51.3916,
55.6445


■ 25.7320, 40.9250,
36.0579


■ 52.2012, 54.0902,
58.9924


■ 24.6628, 40.4233,
33.7755


■ 58.2392, 57.1318,
62.4852


 23.9310, 40.0932,
31.6109

 64.9707, 60.5285,
66.1251

 23.7593, 40.0170,
31.0463

 72.0102, 64.0813,
69.8953

 72.6919, 64.3540,
73.4849

 73.3962, 64.6357,
77.1936

Harmonies

Analogous

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



36.0032, 45.2220, 35.2957



34.4979, 45.2220, 46.4456



35.1267, 45.2220, 60.5986

Triad

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



34.4979, 45.2220, 46.4456



46.7844, 45.2220, 77.3857



48.6308, 45.2220, 30.9517

Complementary

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



34.4979, 45.2220, 46.4456



33.6389, 26.9364, 28.6273

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.



51.9293, 45.2220, 39.3960



34.4979, 45.2220, 46.4456



50.8093, 45.2220, 66.4421

Square

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



34.4979, 45.2220, 46.4456



41.9954, 45.2220, 80.2214



52.7545, 45.2220, 52.1424



43.9843, 45.2220, 27.4795

Rectangle

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



34.4979, 45.2220, 46.4456



36.6966, 45.2220, 69.7264



52.7545, 45.2220, 52.1424



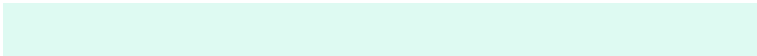
49.9474, 45.2220, 33.2181

Sweetspot

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



34.4992, 45.2238, 46.4466



80.4714, 90.3303, 97.4062



33.5752, 45.2201, 25.0486



17.0147, 19.2539, 20.7284



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



34.4992, 45.2238, 46.4466



57.2856, 78.7617, 78.9664



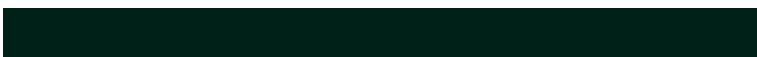
33.3134, 39.5194, 56.3264



10.2453, 11.3792, 12.2951



15.8374, 26.6290, 20.8346



0.7123, 1.1618, 1.0476

Inverse Universe

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



33.6389, 26.9364, 28.6273



55.5295, 41.1764, 42.4026



34.3338, 30.4969, 22.1667



10.1856, 10.1229, 11.0681



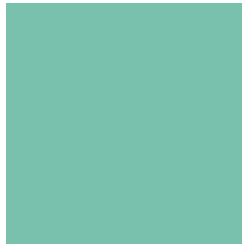
15.0940, 7.7274, 3.1413



0.6825, 0.3460, 0.2953

Previews

White Background



This preview shows how the XYZ color 34.4979, 45.2220, 46.4456 looks on a white background.

Color Contrast Check

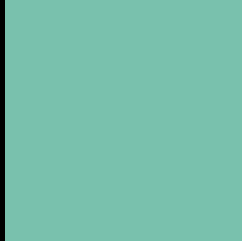
Large Text (above 18pt) WCAG AA × Fail

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 34.4979, 45.2220, 46.4456 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 34.4979, 45.2220, 46.4456

Background



This preview shows how black text looks on a background with the XYZ color 34.4979, 45.2220, 46.4456.

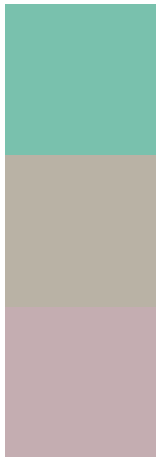


This preview shows how white text looks on a background with the XYZ color 34.4979, 45.2220,

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

34.4979, 45.2220, 46.4456

Protanopia

42.7195, 44.8717, 42.0069

Deuteranopia

45.6443, 44.7972, 47.8360



Tritanopia

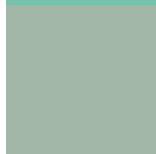
37.9988, 45.3440, 63.8763

Trichromacy



Original Color

34.4979, 45.2220, 46.4456



Protanomaly

38.9017, 44.3755, 43.5608



Deuteranomaly

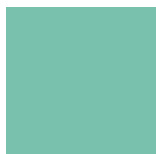
40.5199, 44.2121, 47.4725



Tritanomaly

36.4965, 45.0371, 57.2215

Monochromacy



Original Color

34.4979, 45.2220, 46.4456



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.1250, 41.4185, 44.1208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4979, 45.2220, 46.4456 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(121, 193, 173)` looks like.

```
.text, #text, p{  
    color:rgb(121, 193, 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(121, 193, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 193, 173) }
```

Border

The CSS property to change the border of an element to XYZ 34.4979, 45.2220, 46.4456 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(121, 193, 173) }
```


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

```
.border{ border-color:rgb(121, 193, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 193, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 193, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 193, 173);  
box-shadow:4px 4px 4px 4px rgb(121, 193,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4979, 45.2220, 46.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 193, 173) }
```

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

```
.background{ background-color: rgb(121,  
193, 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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