

Converting Colors

XYZ(36.7155, 49.5378, 45.3117)

Have a look what the booklet for
XYZ(36.7155, 49.5378, 45.3117)
contains.

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Color

**XYZ(36.5941, 49.3907,
45.1408)**

Conversions

Conversions Part 1

Format	Color
Hex	7CCAA9
RGB	124, 202, 169
RGB Percent	49%, 79%, 66%
CMY	0.5137, 0.2078, 0.3372
CMYK	0.39, 0.00, 0.16, 0.21
HSL	155°, 42%, 64%
HSV	155°, 39%, 79%
XYZ	36.5941, 49.3907, 45.1408
YIQ	174.9160, -35.8950, -26.7990

Conversions

Conversions Part 2

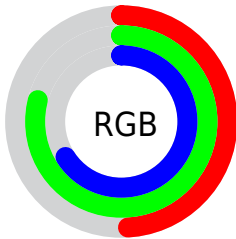
Format	Color
RYB	124, 173, 202
Decimal	8178345
CIELab	75.69, -31.49, 8.96
CIELCh	76, 32.740, 164.113
Yxy	49.3907, 0.2791, 0.3767
Android (android.graphics.Color)	4286368425 (0xFF7CCAA9)
YUV	174.9160, -2.9166, -44.6533
Hunter-Lab	70.2785, -30.0423, 11.1122

Details

The XYZ color **36.5941, 49.3907, 45.1408** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.6522, 29.4073, 35.5917**, and the grayscale version is **40.7331, 42.8543, 46.6684**.

A 20% lighter version of the original color is **67.8050, 86.4855, 83.6407**, and **16.1704, 23.4539, 20.5044** is the 20% darker color. If you saturate the color by 10%, you get **33.1924, 47.7281, 40.9298**, and if you desaturate by 10%, it is **40.6490, 51.3866, 49.6583**.

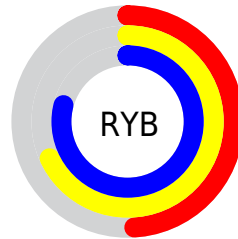
Distribution



Red (49%)

Green (79%)

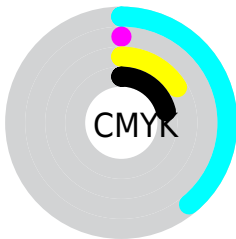
Blue (66%)



Red (49%)

Yellow (68%)

Blue (79%)

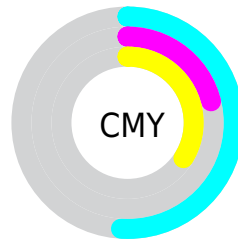


Cyan (39%)

Magenta (0%)

Yellow (16%)

Black (21%)



Cyan (51%)

Magenta (21%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5941, 49.3907, 45.1408 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 36.5941, 49.3907, 45.1408 by changing the saturation by 10% instead.

■ 36.5941, 49.3907,
45.1408

■ 36.5941, 49.3907,
45.1408

322.9360,
384.2784, 383.5202

■ 25.0656, 34.9295,
31.2246

■ 69.2660, 89.2715,
84.2523

■ 16.2549, 23.6086,
20.5100

■ 91.1400, 115.4598,
110.2848

■ 9.7967, 15.0435,
12.5786

■ 117.1934,
146.3260, 141.1930

■ 5.3256, 8.8499,
7.0117

147.7913,
182.2544, 177.3956

■ 2.4763, 4.6434,
3.3909

183.2991,
223.6295, 219.3110

■ 0.8833, 2.0396,
1.2975

224.0823,

■ 0.0000, 0.6303,

270.8356, 267.3580

0.0597

270.5061,
324.2571, 321.9548

■ 0.0000, 0.0000,
0.0000

■ 36.5941, 49.3907,
45.1408

■ 36.5941, 49.3907,
45.1408

■ 33.1924, 47.7281,
40.9298

■ 40.6490, 51.3866,
49.6583

■ 30.4020, 46.3733,
37.0151

■ 45.3875, 53.7275,
54.4856

■ 28.1824, 45.3070,
33.3903

■ 50.8432, 56.4318,
59.6303


■ 26.4863, 44.5049,
30.0478


■ 57.0460, 59.5148,
65.0985


■ 25.2580, 43.9383,
26.9793


■ 64.0242, 62.9911,
70.8962


 24.4100, 43.5623,
24.1748

 71.8045, 66.8743,
77.0293

 24.3052, 43.5164,
23.8059

 76.4803, 69.1504,
83.3194

 77.7023, 69.6392,
89.7546

 78.9839, 70.1519,
96.5034

Harmonies

Analogous

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



39.2831, 49.3907, 33.1800



36.5941, 49.3907, 45.1408



36.5150, 49.3907, 62.3431

Triad

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



36.5941, 49.3907, 45.1408



49.8468, 49.3907, 93.1239



55.8283, 49.3907, 33.7130

Complementary

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



36.5941, 49.3907, 45.1408



37.6522, 29.4073, 35.5917

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.



59.1916, 49.3907, 46.0358



36.5941, 49.3907, 45.1408



55.5421, 49.3907, 81.5095

Square

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



36.5941, 49.3907, 45.1408



43.8227, 49.3907, 92.7383



59.0826, 49.3907, 63.4523



50.2108, 49.3907, 27.6191

Rectangle

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



36.5941, 49.3907, 45.1408



37.9329, 49.3907, 74.7762



59.0826, 49.3907, 63.4523



57.2807, 49.3907, 37.1324

Sweetspot

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



36.5955, 49.3927, 45.1419



82.6596, 93.8453, 97.8037



38.8214, 50.9472, 26.8571



17.4280, 19.9556, 20.6860



0.0000, 0.0000, 0.0000



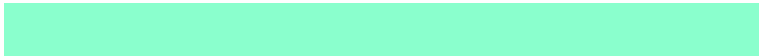
20.3446, 21.4041, 23.3091

Same Dimension

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



36.5955, 49.3927, 45.1419



57.2560, 81.3234, 70.6721



38.8953, 48.3931, 63.1703



11.3348, 12.6437, 13.3204



15.6848, 28.0192, 15.5570



0.8466, 1.4605, 0.9997

Inverse Universe

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



37.6522, 29.4073, 35.5917



59.2904, 42.9529, 52.3643



35.8732, 29.7661, 22.9241



11.4060, 11.2911, 12.6725



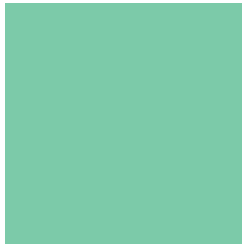
16.7830, 8.5238, 6.5762



0.9035, 0.4548, 0.5376

Previews

White Background



This preview shows how the XYZ color 36.5941, 49.3907, 45.1408 looks on a white background.

Color Contrast Check

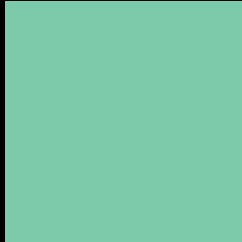
Large Text (above 18pt) WCAG AA × Fail

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 36.5941, 49.3907, 45.1408 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 36.5941, 49.3907, 45.1408

Background



This preview shows how black text looks on a background with the XYZ color 36.5941, 49.3907, 45.1408.

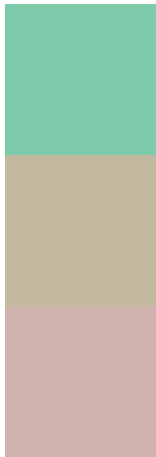


This preview shows how white text looks on a background with the XYZ color 36.5941, 49.3907,

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

36.5941, 49.3907, 45.1408

Protanopia

46.1998, 48.8381, 40.2494

Deuteranopia

49.7725, 48.7061, 46.8223



Tritanopia

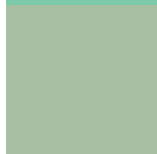
41.4551, 49.3017, 69.6186

Trichromacy



Original Color

36.5941, 49.3907, 45.1408



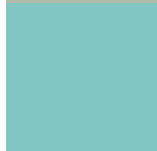
Protanomaly

41.6038, 48.3410, 41.7883



Deuteranomaly

43.3482, 47.8663, 45.9842



Tritanomaly

39.3638, 49.1195, 59.6309

Monochromacy



Original Color

36.5941, 49.3907, 45.1408



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.6021, 44.7830, 46.1446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5941, 49.3907, 45.1408 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(124, 202, 169)` looks like.

```
.text, #text, p{  
    color:rgb(124, 202, 169)  
}
```

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(124, 202, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 202, 169) }
```

Border

The CSS property to change the border of an element to XYZ 36.5941, 49.3907, 45.1408 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(124, 202, 169) }
```


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

```
.border{ border-color:rgb(124, 202, 169) }
```

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

Here you see how a box with a 4 pixel rgb(124, 202, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 202, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 202, 169);  
box-shadow:4px 4px 4px 4px rgb(124, 202,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5941, 49.3907, 45.1408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 202, 169) }
```

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

```
.background{ background-color: rgb(124,  
202, 169) }
```

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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