

Converting Colors

XYZ(41.3674, 57.1658, 49.6890)

Have a look what the booklet for
XYZ(41.3674, 57.1658, 49.6890)
contains.

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Color

**XYZ(41.5514, 57.3495,
49.9539)**

Conversions

Conversions Part 1

Format	Color
Hex	80D9B0
RGB	128, 217, 176
RGB Percent	50%, 85%, 69%
CMY	0.4980, 0.1490, 0.3098
CMYK	0.41, 0.00, 0.19, 0.15
HSL	152°, 54%, 68%
HSV	152°, 41%, 85%
XYZ	41.5514, 57.3495, 49.9539
YIQ	185.7150, -39.8830, -31.6190

Conversions

Conversions Part 2

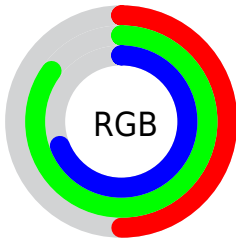
Format	Color
RYB	128, 186, 217
Decimal	8444336
CIELab	80.38, -35.94, 11.91
CIELCh	80, 37.859, 161.660
Yxy	57.3495, 0.2791, 0.3853
Android (android.graphics.Color)	4286634416 (0xFF80D9B0)
YUV	185.7150, -4.7895, -50.6161
Hunter-Lab	75.7295, -34.5868, 13.9008

Details

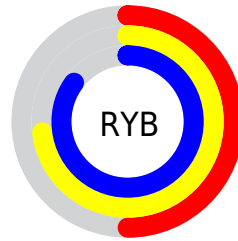
The XYZ color **41.5514, 57.3495, 49.9539** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.4978, 33.0560, 41.6261**, and the grayscale version is **46.5558, 48.9804, 53.3396**.

A 20% lighter version of the original color is **70.0927, 87.5365, 89.5459**, and **19.2431, 28.6872, 23.2619** is the 20% darker color. If you saturate the color by 10%, you get **37.6771, 55.4639, 44.7985**, and if you desaturate by 10%, it is **46.1997, 59.6288, 55.5283**.

Distribution



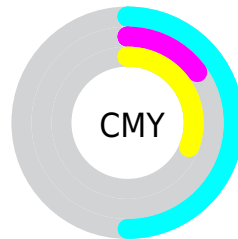
- Red (50%)
- Green (85%)
- Blue (69%)



- Red (50%)
- Yellow (73%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (15%)





- Cyan (50%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5514, 57.3495, 49.9539 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 41.5514, 57.3495, 49.9539 by changing the saturation by 10% instead.


 41.5514, 57.3495,
49.9539


 41.5514, 57.3495,
49.9539


343.6433,
414.7576, 403.2155


 28.9398, 41.2859,
35.0058


 76.7897, 100.9750,
91.5022

 19.1793, 28.5426,
23.3838


 100.1470,
129.3056, 118.9395

 11.9047, 18.7350,
14.6692


 127.8170,
162.4941, 151.3769

 6.7505, 11.4790,
8.4435

160.1649,
200.9248, 189.2331

 3.3515, 6.3900,
4.2882

197.5561,
244.9821, 232.9265

 1.3423, 3.0836,
1.7848

240.3560,

 0.2145, 1.1756,

295.0504, 282.8757

0.4179

288.9300,
351.5142, 339.4992

■ 0.0000, 0.0416,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.5514, 57.3495,
49.9539

■ 41.5514, 57.3495,
49.9539

■ 37.6771, 55.4639,
44.7985

■ 46.1997, 59.6288,
55.5283

■ 34.5255, 53.9411,
40.0478


■ 51.6598, 62.3164,
61.5278


■ 32.0466, 52.7570,
35.6925


■ 57.9723, 65.4348,
67.9629


■ 30.1813, 51.8813,
31.7209


■ 65.1741, 69.0026,
74.8430


 28.8593, 51.2781,
28.1208

 73.2994, 73.0374,
82.1769

 28.0267, 50.9129,
25.1897

 81.1920, 76.9431,
89.9174

 82.6857, 77.5405,
97.7829

 84.1039, 78.1078,
105.2513

Harmonies

Analogous

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



45.1908, 57.3495, 35.6766



41.5514, 57.3495, 49.9539



41.1775, 57.3495, 71.4732

Triad

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



41.5514, 57.3495, 49.9539



57.5768, 57.3495, 114.2649



66.4183, 57.3495, 38.1530

Complementary

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



41.5514, 57.3495, 49.9539



43.4978, 33.0560, 41.6261

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.



70.4459, 57.3495, 54.2089



41.5514, 57.3495, 49.9539



65.0274, 57.3495, 100.0666

Square

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



41.5514, 57.3495, 49.9539



49.9529, 57.3495, 112.3501



69.9140, 57.3495, 76.8594



59.3340, 57.3495, 30.0607

Rectangle

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



41.5514, 57.3495, 49.9539



42.7825, 57.3495, 87.6320



69.9140, 57.3495, 76.8594



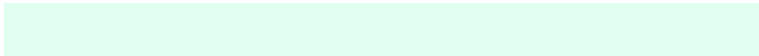
68.2035, 57.3495, 42.6137

Sweetspot

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



41.5530, 57.3518, 49.9552



82.4873, 93.7764, 96.8962



45.1878, 59.6808, 29.5607



17.3875, 19.9394, 20.4723



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.



41.5530, 57.3518, 49.9552



55.1018, 80.3211, 65.6856



45.4833, 57.7114, 74.3906



13.1787, 14.7231, 15.4039



17.0191, 30.8403, 15.5321



1.1459, 2.0153, 1.2345

Inverse Universe

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



43.4978, 33.0560, 41.6261



58.2647, 40.8527, 52.1730



40.6250, 32.5351, 24.5615



13.3043, 13.1508, 14.8638



18.7658, 9.5074, 8.4129



1.2589, 0.6332, 0.7724

Previews

White Background



This preview shows how the XYZ color 41.5514, 57.3495, 49.9539 looks on a white background.

Color Contrast Check

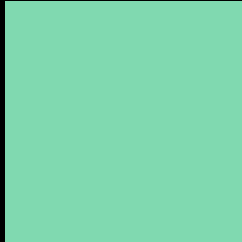
Large Text (above 18pt) WCAG AA × Fail

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 41.5514, 57.3495, 49.9539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

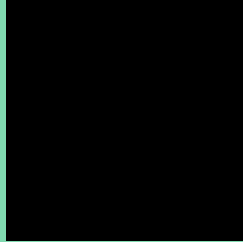
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

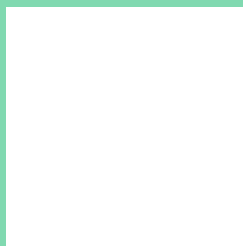
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5514, 57.3495, 49.9539

Background



This preview shows how black text looks on a background with the XYZ color 41.5514, 57.3495, 49.9539.



This preview shows how white text looks on a background with the XYZ color 41.5514, 57.3495,

49.9539.

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

41.5514, 57.3495, 49.9539

Protanopia

53.3715, 56.6967, 44.2070

Deuteranopia

57.7118, 56.4451, 51.5693



Tritanopia

47.7269, 57.2147, 81.2011

Trichromacy



Original Color

41.5514, 57.3495, 49.9539



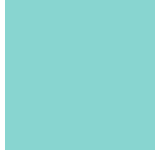
Protanomaly

47.9094, 56.2682, 46.3660



Deuteranomaly

49.7772, 55.3820, 50.7141



Tritanomaly

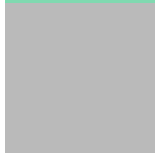
45.3328, 57.3768, 68.3601

Monochromacy



Original Color

41.5514, 57.3495, 49.9539



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.9268, 51.3092, 51.8445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5514, 57.3495, 49.9539 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, 217, 176)` looks like.

```
.text, #text, p{  
    color:rgb(128, 217, 176)  
}
```

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, 217, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 217, 176) }
```

Border

The CSS property to change the border of an element to XYZ 41.5514, 57.3495, 49.9539 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, 217, 176) }
```


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

```
.border{ border-color:rgb(128, 217, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 217, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 217, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 217, 176);  
box-shadow:4px 4px 4px 4px rgb(128, 217,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5514, 57.3495, 49.9539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 217, 176) }
```

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

```
.background{ background-color: rgb(128,  
217, 176) }
```

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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