

Converting Colors

XYZ(35.4589, 49.4463, 33.7883)

Have a look what the booklet for
XYZ(35.4589, 49.4463, 33.7883)
contains.

XYZ(35.3671, 49.3622, 33.6504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.3671, 49.3622,
33.6504)**

Conversions

Conversions Part 1

Format	Color
Hex	81CB8F
RGB	129, 203, 143
RGB Percent	51%, 80%, 56%
CMY	0.4941, 0.2039, 0.4392
CMYK	0.36, 0.00, 0.30, 0.20
HSL	131°, 42%, 65%
HSV	131°, 36%, 80%
XYZ	35.3671, 49.3622, 33.6504
YIQ	174.0340, -24.8440, -34.3480

Conversions

Conversions Part 2

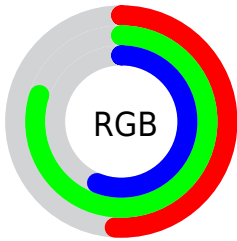
Format	Color
RYB	129, 191, 203
Decimal	8506255
CIELab	75.68, -35.52, 22.84
CIElCh	76, 42.235, 147.259
Yxy	49.3622, 0.2988, 0.4170
Android (android.graphics.Color)	4286696335 (0xFF81CB8F)
YUV	174.0340, -15.2998, -39.4948
Hunter-Lab	70.2582, -33.0973, 20.7836

Details

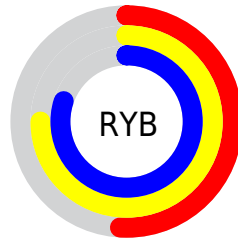
The XYZ color **35.3671, 49.3622, 33.6504** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.6658, 32.0721, 52.1404**, and the grayscale version is **40.3359, 42.4365, 46.2133**.

A 20% lighter version of the original color is **65.6052, 85.7416, 65.9153**, and **15.5022, 23.4890, 13.8420** is the 20% darker color. If you saturate the color by 10%, you get **31.4278, 47.4665, 27.4281**, and if you desaturate by 10%, it is **40.1046, 51.6510, 40.8672**.

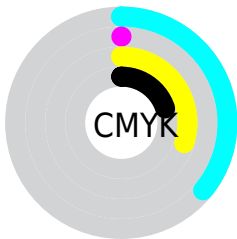
Distribution



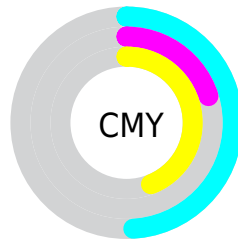
- Red (51%)
- Green (80%)
- Blue (56%)



- Red (51%)
- Yellow (75%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (30%)
- Black (20%)





- Cyan (49%)
- Magenta (20%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3671, 49.3622, 33.6504 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 35.3671, 49.3622, 33.6504 by changing the saturation by 10% instead.


 35.3671, 49.3622,
33.6504


 35.3671, 49.3622,
33.6504


317.6654,
384.1665, 333.2918


 24.1136, 34.9069,
22.3500


 67.3844, 89.2292,
66.5173

 15.5431, 23.5912,
13.9135


 88.8789, 115.4096,
88.9209

 9.2902, 15.0306,
7.9225


 114.5177,
146.2672, 115.8626

 4.9896, 8.8409,
3.9583

144.6664,
182.1864, 147.7609

 2.2759, 4.6375,
1.6025

179.6901,
223.5515, 185.0345

 0.7823, 2.0362,
0.2926

219.9543,

 0.0000, 0.6284,

270.7469, 228.1018

0.0000

265.8243,
324.1571, 277.3814

■ 0.0000, 0.0000,
0.0000

■ 35.3671, 49.3622,
33.6504

■ 35.3671, 49.3622,
33.6504

■ 31.4278, 47.4665,
27.4281

■ 40.1046, 51.6510,
40.8672

■ 28.2384, 45.9357,
22.1536

■ 45.6772, 54.3470,
49.1161

■ 25.7513, 44.7478,
17.7811

■ 52.1244, 57.4711,
58.4366

■ 23.9117, 43.8755,
14.2600

■ 59.4819, 61.0408,
68.8653

■ 22.6566, 43.2874,
11.5343

■ 67.7833, 65.0728,
80.4369

■ 21.9062, 42.9440,
9.5414

■ 77.0608, 69.5830,
93.1849

■ 21.7134, 42.8564,
8.9961

■ 80.6469, 71.1938,
104.0990

Harmonies

Analogous

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



40.3589, 49.3622, 23.8244



35.3671, 49.3622, 33.6504



33.4378, 49.3622, 51.7128

Triad

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



35.3671, 49.3622, 33.6504



46.2015, 49.3622, 109.2899



61.6013, 49.3622, 36.3304

Complementary

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



35.3671, 49.3622, 33.6504



41.6658, 32.0721, 52.1404

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.



63.6052, 49.3622, 55.8340



35.3671, 49.3622, 33.6504



54.1503, 49.3622, 101.8643

Square

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



35.3671, 49.3622, 33.6504



39.2422, 49.3622, 98.7412



60.7426, 49.3622, 80.5787



55.5330, 49.3622, 25.0425

Rectangle

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



35.3671, 49.3622, 33.6504



33.9673, 49.3622, 67.5698



60.7426, 49.3622, 80.5787



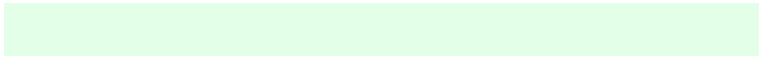
62.8000, 49.3622, 41.9510

Sweetspot

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



35.3684, 49.3643, 33.6515



82.0248, 93.6836, 90.2950



46.4142, 55.1736, 28.9725



17.2410, 19.8992, 18.8700



0.0000, 0.0000, 0.0000



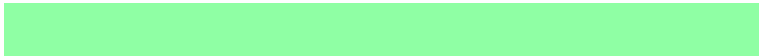
20.3446, 21.4041, 23.3091

Same Dimension

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



35.3684, 49.3643, 33.6515



53.7564, 80.0231, 47.7478



38.6048, 50.6588, 50.6940



11.1533, 12.5711, 12.3648



13.8429, 27.2825, 5.8577



0.7408, 1.4181, 0.4425

Inverse Universe

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



41.6658, 32.0721, 52.1404



65.8511, 46.7724, 83.2278



38.1833, 30.6791, 33.8022



11.5930, 11.3659, 13.6572



20.0039, 9.8122, 23.5371



1.0561, 0.5158, 1.3411

Previews

White Background



This preview shows how the XYZ color 35.3671, 49.3622, 33.6504 looks on a white background.

Color Contrast Check

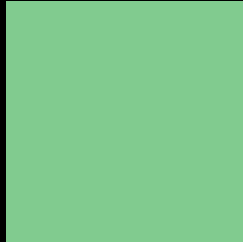
Large Text (above 18pt) WCAG AA × Fail

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 35.3671, 49.3622, 33.6504 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 35.3671, 49.3622, 33.6504

Background



This preview shows how black text looks on a background with the XYZ color 35.3671, 49.3622, 33.6504.

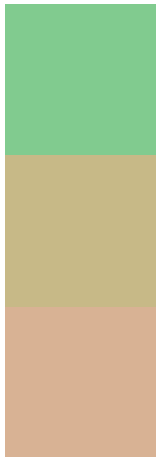


This preview shows how white text looks on a background with the XYZ color 35.3671, 49.3622,

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

35.3671, 49.3622, 33.6504

Protanopia

45.2753, 48.5893, 29.9141

Deuteranopia

49.5846, 48.5778, 34.7800



Tritanopia

42.2523, 49.0764, 68.2185

Trichromacy



Original Color

35.3671, 49.3622, 33.6504



Protanomaly

40.8926, 48.5329, 31.2573



Deuteranomaly

42.7258, 47.8063, 34.1698



Tritanomaly

39.3104, 48.8809, 53.8175

Monochromacy



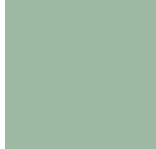
Original Color

35.3671, 49.3622, 33.6504



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.0604, 44.6114, 41.2552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3671, 49.3622, 33.6504 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(129, 203, 143)` looks like.

```
.text, #text, p{  
    color:rgb(129, 203, 143)  
}
```

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(129, 203, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 203, 143) }
```

Border

The CSS property to change the border of an element to XYZ 35.3671, 49.3622, 33.6504 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(129, 203, 143) }
```


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

```
.border{ border-color:rgb(129, 203, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 203, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 203, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 203, 143);  
box-shadow:4px 4px 4px 4px rgb(129, 203,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3671, 49.3622, 33.6504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 203, 143) }
```

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

```
.background{ background-color: rgb(129,  
203, 143) }
```

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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