

Converting Colors

XYZ(35.4618, 46.1771, 42.4725)

Have a look what the booklet for
XYZ(35.4618, 46.1771, 42.4725)
contains.

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Color

**XYZ(35.4434, 46.1255,
42.6324)**

Conversions

Conversions Part 1

Format	Color
Hex	83C2A5
RGB	131, 194, 165
RGB Percent	51%, 76%, 65%
CMY	0.4863, 0.2392, 0.3529
CMYK	0.32, 0.00, 0.15, 0.24
HSL	152°, 34%, 64%
HSV	152°, 32%, 76%
XYZ	35.4434, 46.1255, 42.6324
YIQ	171.8570, -28.2390, -22.3750

Conversions

Conversions Part 2

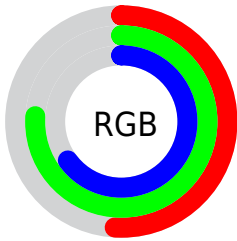
Format	Color
RYB	131, 172, 194
Decimal	8635045
CIELab	73.63, -26.43, 8.21
CIELCh	74, 27.680, 162.738
Yxy	46.1255, 0.2854, 0.3714
Android (android.graphics.Color)	4286825125 (0xFF83C2A5)
YUV	171.8570, -3.3805, -35.8316
Hunter-Lab	67.9158, -25.6982, 10.3232

Details

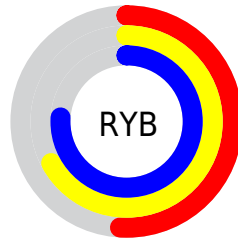
The XYZ color **35.4434, 46.1255, 42.6324** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.7112, 30.2411, 37.1618**, and the grayscale version is **39.1682, 41.2080, 44.8755**.

A 20% lighter version of the original color is **67.6651, 84.6008, 80.4734**, and **15.5832, 21.6107, 18.9727** is the 20% darker color. If you saturate the color by 10%, you get **31.9309, 44.4066, 38.3724**, and if you desaturate by 10%, it is **39.5778, 48.1609, 47.2198**.

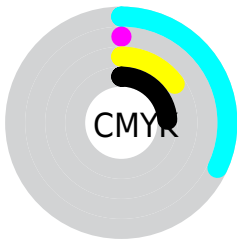
Distribution



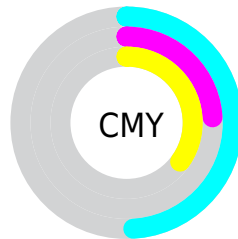
- Red (51%)
- Green (76%)
- Blue (65%)



- Red (51%)
- Yellow (67%)
- Blue (76%)



- Cyan (32%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)



- Cyan (49%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4434, 46.1255, 42.6324 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 35.4434, 46.1255, 42.6324 by changing the saturation by 10% instead.

■ 35.4434, 46.1255,
42.6324

■ 35.4434, 46.1255,
42.6324

317.9950,
371.3130, 372.9745

■ 24.1727, 32.3449,
29.2675

■ 67.5016, 84.4068,
80.4362

■ 15.5872, 21.6250,
19.0360

■ 89.0199, 109.6762,
105.7123

■ 9.3215, 13.5817,
11.5192

■ 114.6847,
139.5441, 135.7958

■ 5.0103, 7.8303,
6.2987

144.8615,
174.3947, 171.1054

■ 2.2881, 3.9865,
2.9558

179.9155,
214.6125, 212.0595

■ 0.7886, 1.6660,
1.0721

220.2122,

■ 0.0000, 0.4015,

260.5819, 259.0767

0.0000

266.1169,
312.6872, 312.5755

■ 0.0000, 0.0000,
0.0000

■ 35.4434, 46.1255,
42.6324

■ 35.4434, 46.1255,
42.6324

■ 31.9309, 44.4066,
38.3724

■ 39.5778, 48.1609,
47.2198

■ 29.0039, 42.9820,
34.4292

■ 44.3605, 50.5225,
52.1388

■ 26.6278, 41.8350,
30.7959

■ 49.8209, 53.2267,
57.3974

■ 24.7630, 40.9455,
27.4643

■ 55.9853, 56.2869,
63.0023

■ 23.3637, 40.2899,
24.4256

■ 62.8787, 59.7158,
68.9601

■ 22.3755, 39.8404,
21.6704

■ 70.5248, 63.5257,
75.2770

■ 21.8269, 39.5990,
19.7760

■ 74.4692, 65.4199,
81.7499

■ 75.7381, 65.9275,
88.4316

■ 77.0719, 66.4610,
95.4553

Harmonies

Analogous

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



37.7515, 46.1255, 32.8941



35.4434, 46.1255, 42.6324



35.2766, 46.1255, 56.4119

Triad

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



35.4434, 46.1255, 42.6324



45.9518, 46.1255, 81.4145



51.1329, 46.1255, 34.0433

Complementary

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



35.4434, 46.1255, 42.6324



36.7112, 30.2411, 37.1618

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.



53.6900, 46.1255, 44.5039



35.4434, 46.1255, 42.6324



50.5523, 46.1255, 72.7672

Square

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



35.4434, 46.1255, 42.6324



41.1036, 46.1255, 80.6560



53.4699, 46.1255, 58.6646



46.6971, 46.1255, 28.6071

Rectangle

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



35.4434, 46.1255, 42.6324



36.3823, 46.1255, 66.2779



53.4699, 46.1255, 58.6646



52.2550, 46.1255, 36.9955

Sweetspot

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



35.4447, 46.1274, 42.6334



82.5468, 92.6087, 96.6096



37.9674, 47.7392, 28.6868



17.7796, 20.1333, 20.8640



0.0000, 0.0000, 0.0000



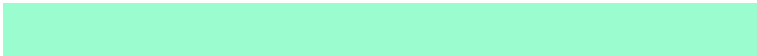
20.3446, 21.4041, 23.3091

Same Dimension

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



35.4447, 46.1274, 42.6334



59.5553, 81.2845, 71.6637



37.9269, 46.3777, 57.9940



10.1666, 11.3477, 11.8807



14.3917, 26.0508, 13.2218



0.6563, 1.1394, 0.7529

Inverse Universe

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



36.7112, 30.2411, 37.1618



62.2084, 48.0272, 60.2176



34.7475, 29.9115, 25.4155



10.2617, 10.1533, 11.4688



15.8620, 8.0345, 7.1851



0.7201, 0.3611, 0.4935

Previews

White Background



This preview shows how the XYZ color 35.4434, 46.1255, 42.6324 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 35.4434, 46.1255, 42.6324 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 35.4434, 46.1255, 42.6324

Background



This preview shows how black text looks on a background with the XYZ color 35.4434, 46.1255, 42.6324.

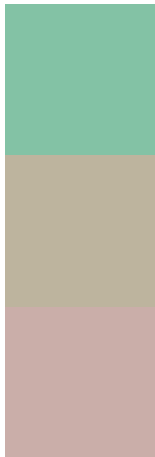


This preview shows how white text looks on a background with the XYZ color 35.4434, 46.1255,

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

35.4434, 46.1255, 42.6324

Protanopia

43.4791, 45.9300, 38.9215

Deuteranopia

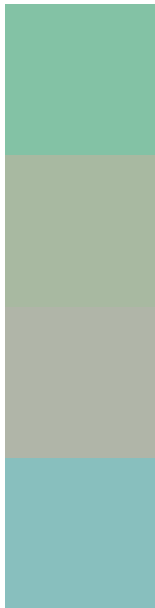
46.6546, 45.6932, 43.8968



Tritanopia

39.7441, 46.2438, 63.9579

Trichromacy



Original Color

35.4434, 46.1255, 42.6324

Protanomaly

39.9304, 45.5960, 40.4146

Deuteranomaly

41.4963, 45.1050, 43.5648

Tritanomaly

38.0784, 46.2135, 55.6284

Monochromacy



Original Color

35.4434, 46.1255, 42.6324

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.3873, 42.6752, 43.8027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4434, 46.1255, 42.6324 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(131, 194, 165)` looks like.

```
.text, #text, p{  
    color:rgb(131, 194, 165)  
}
```

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(131, 194, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 194, 165) }
```

Border

The CSS property to change the border of an element to XYZ 35.4434, 46.1255, 42.6324 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(131, 194, 165) }
```


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

```
.border{ border-color:rgb(131, 194, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 194, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 194, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 194, 165);  
box-shadow:4px 4px 4px 4px rgb(131, 194,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4434, 46.1255, 42.6324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 194, 165) }
```

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

```
.background{ background-color: rgb(131,  
194, 165) }
```

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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