

Converting Colors

XYZ(33.6223, 46.3424, 29.9101)

Have a look what the booklet for
XYZ(33.6223, 46.3424, 29.9101)
contains.

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Color

**XYZ(33.6995, 46.5071,
30.1223)**

Conversions

Conversions Part 1

Format	Color
Hex	83C587
RGB	131, 197, 135
RGB Percent	51%, 77%, 53%
CMY	0.4863, 0.2274, 0.4706
CMYK	0.34, 0.00, 0.31, 0.23
HSL	124°, 36%, 64%
HSV	124°, 34%, 77%
XYZ	33.6995, 46.5071, 30.1223
YIQ	170.1980, -19.4340, -33.2740

Conversions

Conversions Part 2

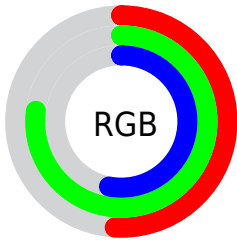
Format	Color
RYB	131, 193, 197
Decimal	8635783
CIELab	73.87, -33.50, 24.64
CIELCh	74, 41.582, 143.668
Yxy	46.5071, 0.3054, 0.4215
Android (android.graphics.Color)	4286825863 (0xFF83C587)
YUV	170.1980, -17.3526, -34.3766
Hunter-Lab	68.1961, -31.1364, 21.5488

Details

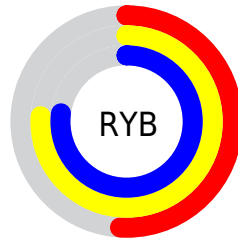
The XYZ color **33.6995, 46.5071, 30.1223** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.7694, 31.9541, 54.4728**, and the grayscale version is **38.3991, 40.3988, 43.9943**.

A 20% lighter version of the original color is **64.8768, 84.9968, 61.1308**, and **14.6040, 21.9205, 12.0557** is the 20% darker color. If you saturate the color by 10%, you get **29.7419, 44.6059, 23.7169**, and if you desaturate by 10%, it is **38.4661, 48.8019, 37.7498**.

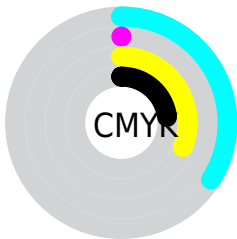
Distribution



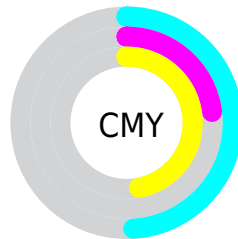
- Red (51%)
- Green (77%)
- Blue (53%)



- Red (51%)
- Yellow (76%)
- Blue (77%)



- Cyan (34%)
- Magenta (0%)
- Yellow (31%)
- Black (23%)



- Cyan (49%)
- Magenta (23%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6995, 46.5071, 30.1223 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 33.6995, 46.5071, 30.1223 by changing the saturation by 10% instead.

■ 33.6995, 46.5071,
30.1223

■ 33.6995, 46.5071,
30.1223

310.3996,
372.8436, 316.6991

■ 22.8246, 32.6462,
19.6786

■ 64.8135, 84.9774,
60.9188

■ 14.5841, 21.8555,
11.9799

■ 85.7833, 110.3556,
82.1087

■ 8.6124, 13.7508,
6.6076

■ 110.8489,
140.3416, 107.7178

■ 4.5443, 7.9475,
3.1432

140.3755,
175.3199, 138.1645

■ 2.0144, 4.0614,
1.1682

174.7285,
215.6749, 173.8675

■ 0.6421, 1.7080,
0.0000

214.2733,

■ 0.0000, 0.4288,

261.7909, 215.2452

0.0000

259.3752,
314.0523, 262.7162

■ 0.0000, 0.0000,
0.0000

■ 33.6995, 46.5071,
30.1223

■ 33.6995, 46.5071,
30.1223

■ 29.7419, 44.6059,
23.7169

■ 38.4661, 48.8019,
37.7498

■ 26.5451, 43.0708,
18.4671

■ 44.0795, 51.5044,
46.6550

■ 24.0611, 41.8798,
14.3052

■ 50.5792, 54.6352,
56.8938

■ 22.2353, 41.0064,
11.1548

■ 58.0012, 58.2118,
68.5179

■ 21.0049, 40.4201,
8.9297

■ 66.3798, 62.2508,
81.5762

■ 20.2947, 40.0842,
7.5296

■ 75.7472, 66.7677,
96.1153

■ 20.0332, 39.9608,
7.0033

■ 79.2572, 68.4144,
103.6357

Harmonies

Analogous

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



38.7322, 46.5071, 21.7260



33.6995, 46.5071, 30.1223



31.5118, 46.5071, 46.2739

Triad

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



33.6995, 46.5071, 30.1223



42.6522, 46.5071, 102.9227



58.5643, 46.5071, 35.9731

Complementary

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



33.6995, 46.5071, 30.1223



40.7694, 31.9541, 54.4728

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.



59.9141, 46.5071, 55.2689



33.6995, 46.5071, 30.1223



50.1675, 46.5071, 97.9038

Square

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



33.6995, 46.5071, 30.1223



36.2952, 46.5071, 91.0904



56.6909, 46.5071, 78.8342



53.1846, 46.5071, 24.3853

Rectangle

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



33.6995, 46.5071, 30.1223



31.7648, 46.5071, 60.8948



56.6909, 46.5071, 78.8342



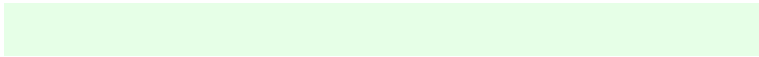
59.5276, 46.5071, 41.6035

Sweetspot

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



33.7007, 46.5091, 30.1233



82.6632, 94.0325, 89.4285



46.2362, 53.0033, 29.2668



17.3495, 19.9612, 18.5989



0.0000, 0.0000, 0.0000



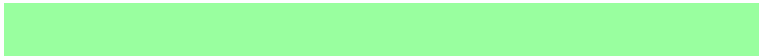
20.3446, 21.4041, 23.3091

Same Dimension

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



33.7007, 46.5091, 30.1233



55.1708, 80.8019, 45.5728



36.3305, 47.5610, 43.9714



10.5231, 11.8981, 11.4389



13.1869, 26.2871, 4.6630



0.6337, 1.2484, 0.2697

Inverse Universe

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



40.7694, 31.9541, 54.4728



69.7015, 50.8706, 95.6181



37.5502, 30.6664, 37.5208



11.0543, 10.8051, 13.2691



20.9204, 10.1177, 31.1203



0.9992, 0.4825, 1.5190

Previews

White Background



This preview shows how the XYZ color 33.6995, 46.5071, 30.1223 looks on a white background.

Color Contrast Check

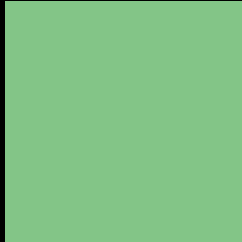
Large Text (above 18pt) WCAG AA × Fail

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 33.6995, 46.5071, 30.1223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

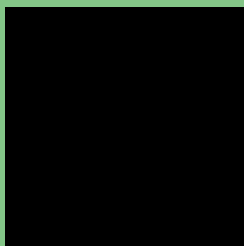
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6995, 46.5071, 30.1223

Background



This preview shows how black text looks on a background with the XYZ color 33.6995, 46.5071, 30.1223.



This preview shows how white text looks on a background with the XYZ color 33.6995, 46.5071,

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

33.6995, 46.5071, 30.1223

Protanopia

42.9258, 46.2084, 27.0787

Deuteranopia

46.8286, 45.7776, 31.1788



Tritanopia

40.2643, 46.2075, 63.2967

Trichromacy



Original Color

33.6995, 46.5071, 30.1223

Protanomaly

38.8803, 45.9500, 28.2928

Deuteranomaly

40.8438, 45.3582, 30.6471

Tritanomaly

37.3141, 45.9649, 49.0249

Monochromacy



Original Color

33.6995, 46.5071, 30.1223

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.1174, 42.1448, 38.1295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6995, 46.5071, 30.1223 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, 197, 135)` looks like.

```
.text, #text, p{  
    color:rgb(131, 197, 135)  
}
```

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, 197, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 197, 135) }
```

Border

The CSS property to change the border of an element to XYZ 33.6995, 46.5071, 30.1223 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, 197, 135) }
```


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

```
.border{ border-color:rgb(131, 197, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 197, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 197, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 197, 135);  
box-shadow:4px 4px 4px 4px rgb(131, 197,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6995, 46.5071, 30.1223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 197, 135) }
```

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

```
.background{ background-color: rgb(131,  
197, 135) }
```

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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