

Converting Colors

XYZ(34.1463, 44.5589, 37.0654)

Have a look what the booklet for
XYZ(34.1463, 44.5589, 37.0654)
contains.

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Color

**XYZ(34.2121, 44.6298,
36.9482)**

Conversions

Conversions Part 1

Format	Color
Hex	86BF99
RGB	134, 191, 153
RGB Percent	53%, 75%, 60%
CMY	0.4745, 0.2510, 0.4000
CMYK	0.30, 0.00, 0.20, 0.25
HSL	140°, 31%, 64%
HSV	140°, 30%, 75%
XYZ	34.2121, 44.6298, 36.9482
YIQ	169.6250, -21.7740, -23.9020

Conversions

Conversions Part 2

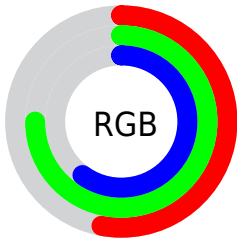
Format	Color
RYB	134, 177, 191
Decimal	8830873
CIELab	72.65, -26.43, 13.34
CIElCh	73, 29.605, 153.217
Yxy	44.6298, 0.2955, 0.3854
Android (android.graphics.Color)	4287020953 (0xFF86BF99)
YUV	169.6250, -8.1961, -31.2431
Hunter-Lab	66.8055, -25.4972, 13.9723

Details

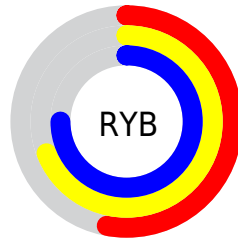
The XYZ color **34.2121, 44.6298, 36.9482** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.4589, 31.1062, 43.0615**, and the grayscale version is **38.0700, 40.0527, 43.6173**.

A 20% lighter version of the original color is **65.5689, 82.3312, 71.4671**, and **14.8236, 20.6445, 15.7739** is the 20% darker color. If you saturate the color by 10%, you get **30.4423, 42.8027, 31.5718**, and if you desaturate by 10%, it is **38.6464, 46.7889, 42.9436**.

Distribution



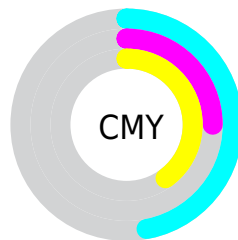
- Red (53%)
- Green (75%)
- Blue (60%)



- Red (53%)
- Yellow (69%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





- Cyan (47%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2121, 44.6298, 36.9482 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 34.2121, 44.6298, 36.9482 by changing the saturation by 10% instead.

 34.2121, 44.6298,
36.9482


 34.2121, 44.6298,
36.9482


312.6461,
365.2722, 348.2481


 23.2202, 31.1659,
24.8719


 65.6055, 82.1646,
71.6785

 14.8778, 20.7252,
15.7635


 86.7377, 107.0043,
95.1697

 8.8194, 12.9233,
9.2044

 111.9808,
136.4048, 123.3029

 4.6798, 7.3758,
4.7761

141.7000,
170.7504, 156.4966

 2.0934, 3.6982,
2.0601

176.2608,
210.4256, 195.1695

 0.6856, 1.5062,
0.5919

216.0285,

 0.0000, 0.2931,

255.8147, 239.7400

0.0000

261.3685,
307.3020, 290.6267

■ 0.0000, 0.0000,
0.0000

■ 34.2121, 44.6298,
36.9482

■ 34.2121, 44.6298,
36.9482

■ 30.4423, 42.8027,
31.5718

■ 38.6464, 46.7889,
42.9436

■ 27.3002, 41.2855,
26.7916

■ 43.7724, 49.2900,
49.5738

■ 24.7511, 40.0618,
22.5875

■ 49.6201, 52.1494,
56.8581

■ 22.7549, 39.1115,
18.9375

■ 56.2164, 55.3807,
64.8138

■ 21.2667, 38.4117,
15.8178

■ 63.5873, 58.9968,
73.4575

■ 20.2334, 37.9359,
13.2030

■ 71.7570, 63.0100,
82.8055

■ 19.5569, 37.6338,
11.0636

■ 75.9195, 64.9424,
92.6473

■ 19.5475, 37.6296,
11.0336

■ 77.9011, 65.7350,
103.0825

■ 77.9216, 65.7432,
103.1905

Harmonies

Analogous

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



37.2441, 44.6298, 28.5919



34.2121, 44.6298, 36.9482



33.3170, 44.6298, 50.1960

Triad

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



34.2121, 44.6298, 36.9482



42.9749, 44.6298, 82.5911



51.2142, 44.6298, 34.7089

Complementary

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



34.2121, 44.6298, 36.9482



37.4589, 31.1062, 43.0615

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.



53.0446, 44.6298, 47.0270



34.2121, 44.6298, 36.9482



48.0530, 44.6298, 76.2529

Square

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



34.2121, 44.6298, 36.9482



38.1296, 44.6298, 78.4125



51.8441, 44.6298, 62.4616



47.0192, 44.6298, 27.4938

Rectangle

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



34.2121, 44.6298, 36.9482



33.9879, 44.6298, 60.5973



51.8441, 44.6298, 62.4616



52.1411, 44.6298, 38.2911

Sweetspot

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



34.2133, 44.6317, 36.9492



79.0847, 88.6127, 89.6591



40.1580, 47.8634, 29.6769



17.0487, 19.3034, 19.2854



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



34.2133, 44.6317, 36.9492



56.6038, 77.6659, 59.5760



36.7581, 45.6496, 50.3501



9.5364, 10.7007, 10.8083



12.8796, 24.7421, 7.4287



0.5355, 0.9816, 0.4541

Inverse Universe

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



37.4589, 31.1062, 43.0615



63.3718, 49.4401, 72.3059



35.0808, 30.1550, 30.5386



9.7911, 9.6407, 11.2888



16.6908, 8.3075, 14.1971



0.6830, 0.3371, 0.7097

Previews

White Background



This preview shows how the XYZ color 34.2121, 44.6298, 36.9482 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 34.2121, 44.6298, 36.9482 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

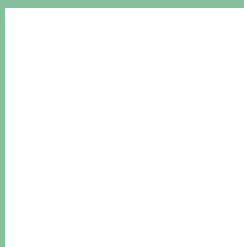
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2121, 44.6298, 36.9482

Background



This preview shows how black text looks on a background with the XYZ color 34.2121, 44.6298, 36.9482.



This preview shows how white text looks on a background with the XYZ color 34.2121, 44.6298,

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

34.2121, 44.6298, 36.9482

Protanopia

41.6495, 44.2110, 33.5325

Deuteranopia

45.0058, 44.1167, 38.0416



Tritanopia

38.9855, 44.6611, 60.5985

Trichromacy



Original Color

34.2121, 44.6298, 36.9482

Protanomaly

38.3012, 43.9507, 34.8984

Deuteranomaly

40.0526, 43.5882, 37.7549

Tritanomaly

37.0290, 44.4935, 50.8924

Monochromacy



Original Color

34.2121, 44.6298, 36.9482

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.5259, 41.6892, 41.2437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2121, 44.6298, 36.9482 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(134, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(134, 191, 153)  
}
```

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(134, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 191, 153) }
```

Border

The CSS property to change the border of an element to XYZ 34.2121, 44.6298, 36.9482 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(134, 191, 153) }
```


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

```
.border{ border-color:rgb(134, 191, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 191, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 191, 153);  
box-shadow:4px 4px 4px 4px rgb(134, 191,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2121, 44.6298, 36.9482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 191, 153) }
```

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

```
.background{ background-color: rgb(134,  
191, 153) }
```

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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