

Converting Colors

XYZ(31.7283, 43.3430, 34.2381)

Have a look what the booklet for
XYZ(31.7283, 43.3430, 34.2381)
contains.

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Color

**XYZ(31.7824, 43.4331,
34.3121)**

Conversions

Conversions Part 1

Format	Color
Hex	79BF93
RGB	121, 191, 147
RGB Percent	47%, 75%, 58%
CMY	0.5255, 0.2510, 0.4235
CMYK	0.37, 0.00, 0.23, 0.25
HSL	142°, 35%, 61%
HSV	142°, 37%, 75%
XYZ	31.7824, 43.4331, 34.3121
YIQ	165.0540, -27.5960, -28.5240

Conversions

Conversions Part 2

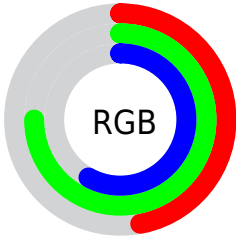
Format	Color
RYB	121, 172, 191
Decimal	7978899
CIELab	71.85, -31.61, 15.36
CIELCh	72, 35.145, 154.081
Yxy	43.4331, 0.2902, 0.3965
Android (android.graphics.Color)	4286168979 (0xFF79BF93)
YUV	165.0540, -8.9006, -38.6354
Hunter-Lab	65.9038, -29.2492, 15.2640

Details

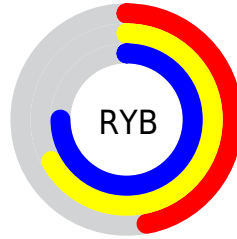
The XYZ color **31.7824, 43.4331, 34.3121** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.1162, 27.4687, 39.0501**, and the grayscale version is **35.8418, 37.7084, 41.0644**.

A 20% lighter version of the original color is **62.0145, 80.5820, 67.5437**, and **13.4409, 19.9648, 14.2115** is the 20% darker color. If you saturate the color by 10%, you get **28.4728, 41.8314, 29.4936**, and if you desaturate by 10%, it is **35.7227, 45.3510, 39.6753**.

Distribution



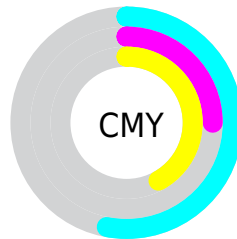
- Red (47%)
- Green (75%)
- Blue (58%)



- Red (47%)
- Yellow (67%)
- Blue (75%)



- Cyan (37%)
- Magenta (0%)
- Yellow (23%)
- Black (25%)



- Cyan (53%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7824, 43.4331, 34.3121 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 31.7824, 43.4331, 34.3121 by changing the saturation by 10% instead.

■ 31.7824, 43.4331,
34.3121

■ 31.7824, 43.4331,
34.3121

301.8897,
360.3899, 336.3330

■ 21.3501, 30.2251,
22.8542

■ 61.8373, 80.3640,
67.5582

■ 13.4941, 20.0095,
14.2816

■ 82.1906, 104.8557,
90.1833

■ 7.8490, 12.4019,
8.1758

■ 106.5816,
133.8774, 117.3680

■ 4.0494, 7.0180,
4.1183

135.3757,
167.8135, 149.5308

■ 1.7301, 3.4734,
1.6904

168.9382,
207.0484, 187.0901

■ 0.4750, 1.3836,
0.3542

207.6345,

■ 0.0000, 0.2046,

251.9665, 230.4646

0.0000

251.8299,
302.9522, 280.0727

■ 0.0000, 0.0000,
0.0000

■ 31.7824, 43.4331,
34.3121

■ 31.7824, 43.4331,
34.3121

■ 28.4728, 41.8314,
29.4936

■ 35.7227, 45.3510,
39.6753

■ 25.7558, 40.5230,
25.1997

■ 40.3218, 47.5956,
45.5967

■ 23.5949, 39.4905,
21.4130


■ 45.6105, 50.1837,
52.0932


■ 21.9473, 38.7125,
18.1142


■ 51.6165, 53.1293,
59.1797


■ 20.7641, 38.1639,
15.2827


■ 58.3659, 56.4455,
66.8710


 19.9805, 37.8120,
12.8957

 65.8834, 60.1448,
75.1810

 19.7671, 37.7174,
12.1900

 74.1929, 64.2391,
84.1232

 76.0569, 64.9973,
93.3711

 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.



35.1698, 43.4331, 24.9298



31.7824, 43.4331, 34.3121



30.8450, 43.4331, 49.6731

Triad

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



31.7824, 43.4331, 34.3121



42.1053, 43.4331, 88.3140



51.5529, 43.4331, 31.1387

Complementary

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



31.7824, 43.4331, 34.3121



35.1162, 27.4687, 39.0501

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.



53.8416, 43.4331, 44.9868



31.7824, 43.4331, 34.3121



48.0639, 43.4331, 80.1327

Square

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



31.7824, 43.4331, 34.3121



36.4586, 43.4331, 83.5090



52.5074, 43.4331, 63.1892



46.5127, 43.4331, 23.4320

Rectangle

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



31.7824, 43.4331, 34.3121



31.6517, 43.4331, 62.0355



52.5074, 43.4331, 63.1892



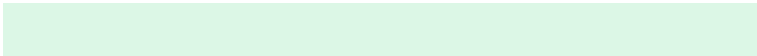
52.6905, 43.4331, 35.0905

Sweetspot

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



31.7836, 43.4349, 34.3131



77.2436, 87.7006, 87.9019



37.6700, 46.6791, 25.1142



16.6775, 19.1190, 18.9526



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.



31.7836, 43.4349, 34.3131



52.0652, 75.4354, 54.4319



34.9264, 44.6920, 50.8630



9.5514, 10.7067, 10.8870



13.0261, 24.8007, 8.2004



0.5421, 0.9842, 0.4892

Inverse Universe

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



35.1162, 27.4687, 39.0501



58.8976, 42.6646, 64.1154



32.3761, 26.3727, 24.6212



9.7756, 9.6345, 11.2071



16.3905, 8.1874, 12.6159



0.6727, 0.3330, 0.6555

Previews

White Background



This preview shows how the XYZ color 31.7824, 43.4331, 34.3121 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 31.7824, 43.4331, 34.3121 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 31.7824, 43.4331, 34.3121

Background



This preview shows how black text looks on a background with the XYZ color 31.7824, 43.4331, 34.3121.

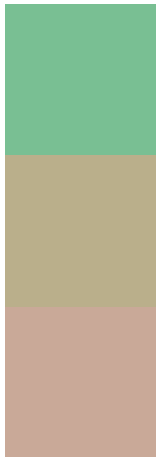


This preview shows how white text looks on a background with the XYZ color 31.7824, 43.4331,

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

31.7824, 43.4331, 34.3121

Protanopia

40.2399, 42.9631, 30.5979

Deuteranopia

43.9429, 43.0604, 35.7012



Tritanopia

36.9650, 43.3100, 60.4442

Trichromacy



Original Color

31.7824, 43.4331, 34.3121

Protanomaly

36.3067, 42.6821, 31.9161

Deuteranomaly

38.2404, 42.4169, 35.0260

Tritanomaly

34.9106, 43.4251, 49.7219

Monochromacy



Original Color

31.7824, 43.4331, 34.3121

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.7020, 39.1303, 38.1244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7824, 43.4331, 34.3121 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(121, 191, 147)` looks like.

```
.text, #text, p{  
    color:rgb(121, 191, 147)  
}
```

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(121, 191, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 191, 147) }
```

Border

The CSS property to change the border of an element to XYZ 31.7824, 43.4331, 34.3121 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(121, 191, 147) }
```


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

```
.border{ border-color:rgb(121, 191, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 191, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 191, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 191, 147);  
box-shadow:4px 4px 4px 4px rgb(121, 191,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7824, 43.4331, 34.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 191, 147) }
```

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

```
.background{ background-color: rgb(121,  
191, 147) }
```

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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