

Converting Colors

XYZ(31.6475, 42.9626, 33.5085)

Have a look what the booklet for
XYZ(31.6475, 42.9626, 33.5085)
contains.

XYZ(31.6927, 43.0822, 33.4334)	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(31.6927, 43.0822,
33.4334)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBE91
RGB	123, 190, 145
RGB Percent	48%, 75%, 57%
CMY	0.5176, 0.2549, 0.4314
CMYK	0.35, 0.00, 0.24, 0.25
HSL	140°, 34%, 61%
HSV	140°, 35%, 75%
XYZ	31.6927, 43.0822, 33.4334
YIQ	164.8370, -25.4870, -28.1990

Conversions

Conversions Part 2

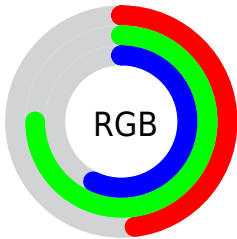
Format	Color
RYB	123, 173, 190
Decimal	8109713
CIELab	71.61, -30.91, 16.12
CIElCh	72, 34.867, 152.454
Yxy	43.0822, 0.2929, 0.3981
Android (android.graphics.Color)	4286299793 (0xFF7BBE91)
YUV	164.8370, -9.7796, -36.6910
Hunter-Lab	65.6370, -28.6765, 15.7455

Details

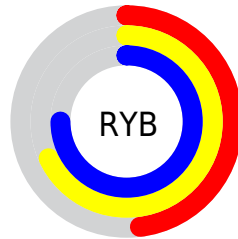
The XYZ color **31.6927, 43.0822, 33.4334** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.3875, 27.9413, 40.5756**, and the grayscale version is **35.7411, 37.6025, 40.9491**.

A 20% lighter version of the original color is **61.7010, 79.9922, 66.2209**, and **13.4231, 19.7561, 13.6955** is the 20% darker color. If you saturate the color by 10%, you get **28.3046, 41.4442, 28.4238**, and if you desaturate by 10%, it is **35.7211, 45.0400, 39.0519**.

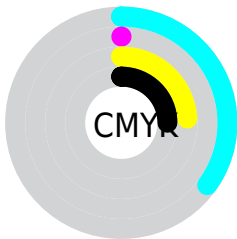
Distribution



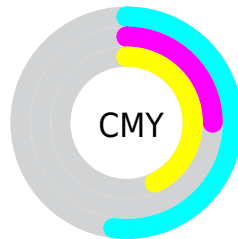
- Red (48%)
- Green (75%)
- Blue (57%)



- Red (48%)
- Yellow (68%)
- Blue (75%)



- Cyan (35%)
- Magenta (0%)
- Yellow (24%)
- Black (25%)



- Cyan (52%)
- Magenta (25%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6927, 43.0822, 33.4334 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 31.6927, 43.0822, 33.4334 by changing the saturation by 10% instead.

■ 31.6927, 43.0822,
33.4334

■ 31.6927, 43.0822,
33.4334

301.4872,
358.9497, 332.2899

■ 21.2813, 29.9496,
22.1848

■ 61.6975, 79.8349,
66.1754

■ 13.4434, 19.8003,
13.7932

■ 82.0216, 104.2238,
88.5059

■ 7.8137, 12.2500,
7.8398

■ 106.3806,
133.1336, 115.3674

■ 4.0268, 6.9142,
3.9063

135.1399,
166.9486, 147.1785

■ 1.7173, 3.4085,
1.5741

168.6649,
206.0534, 184.3578

■ 0.4671, 1.3485,
0.2722

207.3209,

■ 0.0000, 0.1783,

250.8322, 227.3238

0.0000

251.4732,
301.6695, 276.4949

■ 0.0000, 0.0000,
0.0000

■ 31.6927, 43.0822,
33.4334

■ 31.6927, 43.0822,
33.4334

■ 28.3046, 41.4442,
28.4238

■ 35.7211, 45.0400,
39.0519

■ 25.5193, 40.1033,
23.9995

■ 40.4182, 47.3280,
45.2961

■ 23.3000, 39.0424,
20.1398


■ 45.8144, 49.9630,
52.1854


■ 21.6049, 38.2402,
16.8216


■ 51.9376, 52.9588,
59.7380


■ 20.3856, 37.6724,
14.0198


■ 58.8138, 56.3285,
67.9709


 19.5835, 37.3092,
11.7075

 66.4680, 60.0847,
76.9007

 19.2944, 37.1806,
10.7730

 74.5535, 64.0482,
86.5261

 76.4574, 64.8098,
96.5521

 77.7043, 65.3085,
103.1181

Harmonies

Analogous

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



35.1585, 43.0822, 24.4912



31.6927, 43.0822, 33.4334



30.6297, 43.0822, 48.3137

Triad

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



31.6927, 43.0822, 33.4334



41.4359, 43.0822, 87.4221



51.2842, 43.0822, 31.5480

Complementary

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



31.6927, 43.0822, 33.4334



35.3875, 27.9413, 40.5756

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.



53.3576, 43.0822, 45.5322



31.6927, 43.0822, 33.4334



47.3413, 43.0822, 80.0047

Square

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



31.6927, 43.0822, 33.4334



35.9238, 43.0822, 82.0064



51.8505, 43.0822, 63.5922



46.4209, 43.0822, 23.6005

Rectangle

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



31.6927, 43.0822, 33.4334



31.3350, 43.0822, 60.4416



51.8505, 43.0822, 63.5922



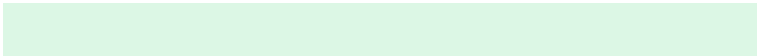
52.3506, 43.0822, 35.5643

Sweetspot

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



31.6938, 43.0840, 33.4344



77.0793, 87.6349, 87.0367



38.3059, 46.6700, 25.7287



16.6375, 19.1030, 18.7419



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.



31.6938, 43.0840, 33.4344



52.7691, 75.8141, 53.7481



34.5907, 44.2427, 48.6888



9.5345, 10.6999, 10.7981



12.8618, 24.7350, 7.3349



0.5347, 0.9812, 0.4497

Inverse Universe

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



35.3875, 27.9413, 40.5756



60.4140, 44.4383, 68.5031



32.7126, 26.8713, 26.4897



9.7931, 9.6415, 11.2995



16.7315, 8.3238, 14.4118



0.6843, 0.3376, 0.7170

Previews

White Background



This preview shows how the XYZ color 31.6927, 43.0822, 33.4334 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 31.6927, 43.0822, 33.4334 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

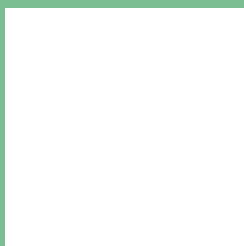
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6927, 43.0822, 33.4334

Background



This preview shows how black text looks on a background with the XYZ color 31.6927, 43.0822, 33.4334.

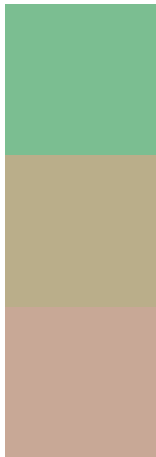


This preview shows how white text looks on a background with the XYZ color 31.6927, 43.0822,

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

31.6927, 43.0822, 33.4334

Protanopia

39.9732, 42.5462, 30.1502

Deuteranopia

43.3271, 42.4866, 34.7713



Tritanopia

36.9580, 43.0125, 59.7804

Trichromacy



Original Color

31.6927, 43.0822, 33.4334

Protanomaly

36.2332, 42.3521, 31.4644

Deuteranomaly

37.8839, 41.9594, 34.1193

Tritanomaly

34.9015, 43.1183, 49.1310

Monochromacy



Original Color

31.6927, 43.0822, 33.4334

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.8853, 39.2248, 38.1329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6927, 43.0822, 33.4334 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(123, 190, 145)` looks like.

```
.text, #text, p{  
    color:rgb(123, 190, 145)  
}
```

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(123, 190, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 190, 145) }
```

Border

The CSS property to change the border of an element to XYZ 31.6927, 43.0822, 33.4334 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(123, 190, 145) }
```


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

```
.border{ border-color:rgb(123, 190, 145) }
```

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

Here you see how a box with a 4 pixel rgb(123, 190, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 190, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 190, 145);  
box-shadow:4px 4px 4px 4px rgb(123, 190,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6927, 43.0822, 33.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 190, 145) }
```

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

```
.background{ background-color: rgb(123,  
190, 145) }
```

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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