

Converting Colors

XYZ(33.6910, 47.6725, 32.4685)

Have a look what the booklet for
XYZ(33.6910, 47.6725, 32.4685)
contains.

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Color

**XYZ(33.8627, 47.9073,
32.6616)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC98D
RGB	123, 201, 141
RGB Percent	48%, 79%, 55%
CMY	0.5176, 0.2117, 0.4471
CMYK	0.39, 0.00, 0.30, 0.21
HSL	134°, 42%, 64%
HSV	134°, 39%, 79%
XYZ	33.8627, 47.9073, 32.6616
YIQ	170.8380, -27.2280, -35.1960

Conversions

Conversions Part 2

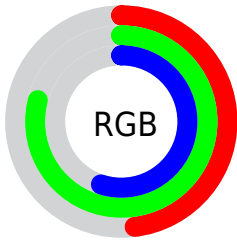
Format	Color
RYB	123, 186, 201
Decimal	8112525
CIELab	74.77, -36.78, 22.61
CIELCh	75, 43.172, 148.415
Yxy	47.9073, 0.2959, 0.4187
Android (android.graphics.Color)	4286302605 (0xFF7BC98D)
YUV	170.8380, -14.7101, -41.9539
Hunter-Lab	69.2151, -33.7973, 20.4725

Details

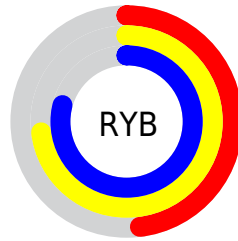
The XYZ color **33.8627, 47.9073, 32.6616** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.7191, 30.0032, 48.4992**, and the grayscale version is **38.7096, 40.7255, 44.3501**.

A 20% lighter version of the original color is **63.9704, 84.9251, 64.6503**, and **14.5786, 22.5612, 13.2592** is the 20% darker color. If you saturate the color by 10%, you get **30.2060, 46.1473, 26.8988**, and if you desaturate by 10%, it is **38.2729, 50.0399, 39.3002**.

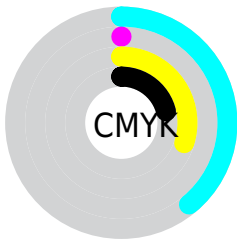
Distribution



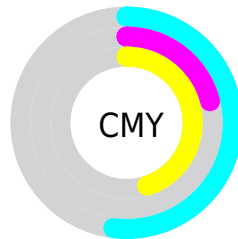
- Red (48%)
- Green (79%)
- Blue (55%)



- Red (48%)
- Yellow (73%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (30%)
- Black (21%)



- Cyan (52%)
- Magenta (21%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8627, 47.9073, 32.6616 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 33.8627, 47.9073, 32.6616 by changing the saturation by 10% instead.

■ 33.8627, 47.9073,
32.6616

■ 33.8627, 47.9073,
32.6616

311.1161,
378.4246, 328.7072

■ 22.9505, 33.7535,
21.5983

■ 65.0658, 87.0664,
64.9568

■ 14.6775, 22.7043,
13.3666

■ 86.0875, 112.8404,
87.0257

■ 8.6782, 14.3753,
7.5478

■ 111.2096,
143.2566, 113.6004

■ 4.5873, 8.3822,
3.7234

140.7977,
178.6995, 145.0992

■ 2.0395, 4.3404,
1.4748

175.2171,
219.5533, 181.9407

■ 0.6560, 1.8658,
0.1991

214.8330,

■ 0.0000, 0.5277,

266.2025, 224.5436

0.0000

260.0109,
319.0314, 273.3262

■ 0.0000, 0.0000,
0.0000

■ 33.8627, 47.9073,
32.6616

■ 33.8627, 47.9073,
32.6616

■ 30.2060, 46.1473,
26.8988

■ 38.2729, 50.0399,
39.3002

■ 27.2560, 44.7325,
21.9720

■ 43.4724, 52.5587,
46.8458

■ 24.9665, 43.6413,
17.8431


■ 49.4991, 55.4840,
55.3320

■ 23.2840, 42.8469,
14.4698


■ 56.3875, 58.8328,
64.7896


■ 22.1462, 42.3181,
11.8058


■ 64.1698, 62.6214,
75.2481

 21.4559, 42.0059,
9.7985

 72.8769, 66.8648,
86.7359

 21.3884, 41.9754,
9.5997

 79.2630, 69.8893,
99.1267

 80.1776, 70.2551,
103.9425

Harmonies

Analogous

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



38.7314, 47.9073, 22.6610



33.8627, 47.9073, 32.6616



32.0673, 47.9073, 50.9781

Triad

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



33.8627, 47.9073, 32.6616



45.1189, 47.9073, 108.3114



60.1207, 47.9073, 34.1985

Complementary

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



33.8627, 47.9073, 32.6616



39.7191, 30.0032, 48.4992

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.



62.3259, 47.9073, 53.3659



33.8627, 47.9073, 32.6616



53.0908, 47.9073, 100.0903

Square

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



33.8627, 47.9073, 32.6616



38.0869, 47.9073, 98.2581



59.6204, 47.9073, 78.1983



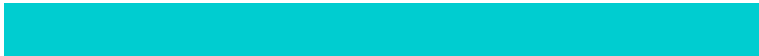
53.8947, 47.9073, 23.3527

Rectangle

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



33.8627, 47.9073, 32.6616



32.6775, 47.9073, 67.0237



59.6204, 47.9073, 78.1983



61.3862, 47.9073, 39.6791

Sweetspot

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



33.8640, 47.9093, 32.6627



81.1137, 93.2269, 89.6631



44.2547, 53.4083, 26.7156



17.0652, 19.8105, 18.7752



0.0000, 0.0000, 0.0000



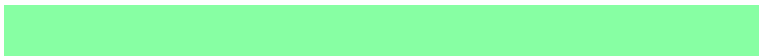
20.3446, 21.4041, 23.3091

Same Dimension

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



33.8640, 47.9093, 32.6627



52.3695, 79.3208, 47.1105



37.1830, 49.2369, 50.1404



10.5961, 11.9273, 11.8232



13.4772, 26.4032, 6.1913



0.6670, 1.2617, 0.4450

Inverse Universe

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



39.7191, 30.0032, 48.4992



63.8373, 44.1948, 78.0865



36.2902, 28.6317, 30.4430



10.9743, 10.7731, 12.8482



18.8814, 9.3021, 20.3830



0.9203, 0.4510, 1.1037

Previews

White Background



This preview shows how the XYZ color 33.8627, 47.9073, 32.6616 looks on a white background.

Color Contrast Check

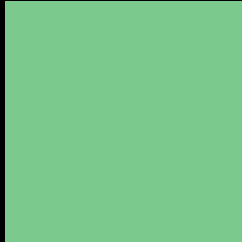
Large Text (above 18pt) WCAG AA × Fail

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 33.8627, 47.9073, 32.6616 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 33.8627, 47.9073, 32.6616

Background



This preview shows how black text looks on a background with the XYZ color 33.8627, 47.9073, 32.6616.

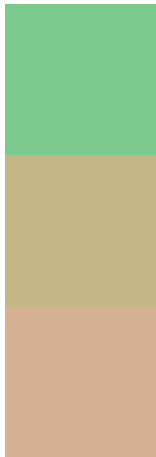


This preview shows how white text looks on a background with the XYZ color 33.8627, 47.9073,

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

33.8627, 47.9073, 32.6616

Protanopia

44.1931, 47.4307, 29.0161

Deuteranopia

48.1542, 47.2721, 33.7806



Tritanopia

40.5513, 47.5717, 66.7195

Trichromacy



Original Color

33.8627, 47.9073, 32.6616



Protanomaly

39.4350, 47.1505, 30.3151



Deuteranomaly

41.2054, 46.4148, 33.1728



Tritanomaly

37.6826, 47.3964, 52.5097

Monochromacy



Original Color

33.8627, 47.9073, 32.6616



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.3995, 42.8640, 39.6128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8627, 47.9073, 32.6616 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, 201, 141)` looks like.

```
.text, #text, p{  
    color:rgb(123, 201, 141)  
}
```

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, 201, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 201, 141) }
```

Border

The CSS property to change the border of an element to XYZ 33.8627, 47.9073, 32.6616 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, 201, 141) }
```


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

```
.border{ border-color:rgb(123, 201, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 201, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 201, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 201, 141);  
box-shadow:4px 4px 4px 4px rgb(123, 201,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8627, 47.9073, 32.6616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 201, 141) }
```

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

```
.background{ background-color: rgb(123,  
201, 141) }
```

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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