

Converting Colors

XYZ(33.1488, 42.4485, 33.8431)

Have a look what the booklet for
XYZ(33.1488, 42.4485, 33.8431)
contains.

XYZ(33.2284, 42.5964, 33.6647)	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(33.2284, 42.5964,
33.6647)**

Conversions

Conversions Part 1

Format	Color
Hex	8ABA92
RGB	138, 186, 146
RGB Percent	54%, 73%, 57%
CMY	0.4588, 0.2706, 0.4274
CMYK	0.26, 0.00, 0.22, 0.27
HSL	130°, 26%, 64%
HSV	130°, 26%, 73%
XYZ	33.2284, 42.5964, 33.6647
YIQ	167.0880, -15.7680, -22.6160

Conversions

Conversions Part 2

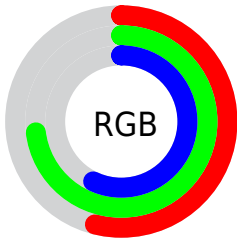
Format	Color
RYB	138, 179, 186
Decimal	9091730
CIELab	71.28, -23.98, 15.24
CIELCh	71, 28.413, 147.553
Yxy	42.5964, 0.3035, 0.3890
Android (android.graphics.Color)	4287281810 (0xFF8ABA92)
YUV	167.0880, -10.3964, -25.5102
Hunter-Lab	65.2659, -23.3368, 15.1039

Details

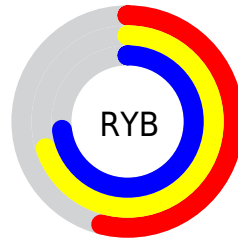
The XYZ color **33.2284, 42.5964, 33.6647** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.3755, 31.8313, 46.2953**, and the grayscale version is **36.8289, 38.7469, 42.1954**.

A 20% lighter version of the original color is **63.9157, 78.8809, 66.5004**, and **14.3836, 19.6275, 13.8569** is the 20% darker color. If you saturate the color by 10%, you get **29.2856, 40.6950, 27.6073**, and if you desaturate by 10%, it is **37.8641, 44.8385, 40.6097**.

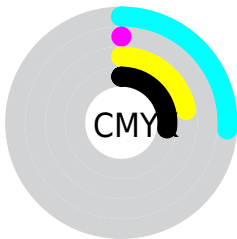
Distribution



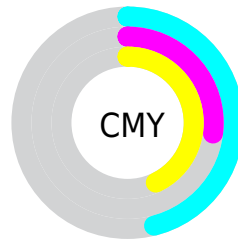
- Red (54%)
- Green (73%)
- Blue (57%)



- Red (54%)
- Yellow (70%)
- Blue (73%)



- Cyan (26%)
- Magenta (0%)
- Yellow (22%)
- Black (27%)





- Cyan (46%)
- Magenta (27%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2284, 42.5964, 33.6647 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 33.2284, 42.5964, 33.6647 by changing the saturation by 10% instead.


 33.2284, 42.5964,
33.6647


 33.2284, 42.5964,
33.6647


308.3245,
356.9493, 333.3578


 22.4615, 29.5686,
22.3609


 64.0842, 79.1015,
66.5398

 14.3149, 19.5114,
13.9214


 84.9040, 103.3475,
88.9482

 8.4232, 12.0403,
7.9279


 109.8053,
132.1017, 115.8952

 4.4210, 6.7712,
3.9617

139.1537,
165.7485, 147.7993

 1.9429, 3.3194,
1.6044

173.3144,
204.6722, 185.0790

 0.6016, 1.3007,
0.2939

212.6529,

 0.0000, 0.1417,

249.2574, 228.1530

0.0000

257.5345,
299.8883, 277.4397

■ 0.0000, 0.0000,
0.0000

■ 33.2284, 42.5964,
33.6647

■ 33.2284, 42.5964,
33.6647

■ 29.2856, 40.6950,
27.6073

■ 37.8641, 44.8385,
40.6097

■ 25.9988, 39.1125,
22.3991

■ 43.2202, 47.4312,
48.4732

■ 23.3330, 37.8327,
18.0030

■ 49.3273, 50.3907,
57.2880

■ 21.2484, 36.8362,
14.3778

■ 56.2128, 53.7306,
67.0845

■ 19.7006, 36.1008,
11.4791

■ 63.9028, 57.4638,
77.8916

■ 18.6386, 35.6014,
9.2576

■ 72.4225, 61.6024,
89.7371

■ 17.9992, 35.3065,
7.6579

■ 76.7699, 63.5675,
102.4127

■ 17.8071, 35.2184,
7.1557

■ 76.8497, 63.5995,
102.8332

Harmonies

Analogous

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



36.3899, 42.5964, 26.7699



33.2284, 42.5964, 33.6647



31.9959, 42.5964, 45.2674

Triad

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



33.2284, 42.5964, 33.6647



40.0961, 42.5964, 77.8901



49.1761, 42.5964, 35.2586

Complementary

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



33.2284, 42.5964, 33.6647



37.3755, 31.8313, 46.2953

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.



50.3603, 42.5964, 47.5112



33.2284, 42.5964, 33.6647



44.8797, 42.5964, 73.7885

Square

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



33.2284, 42.5964, 33.6647



35.7617, 42.5964, 72.2702



48.7315, 42.5964, 61.9515



45.6104, 42.5964, 27.5552

Rectangle

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



33.2284, 42.5964, 33.6647



32.3552, 42.5964, 54.7629



48.7315, 42.5964, 61.9515



49.8776, 42.5964, 38.8999

Sweetspot

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



33.2295, 42.5982, 33.6656



75.9592, 84.8170, 84.3914



40.5081, 46.4199, 30.8700



16.3949, 18.5171, 18.0977



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.2295, 42.5982, 33.6656



55.9997, 75.1671, 54.5607



35.2971, 43.4252, 44.5532



8.9498, 10.0839, 9.8930



11.9987, 23.7004, 4.9152



0.4421, 0.8431, 0.2737

Inverse Universe

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



37.3755, 31.8313, 46.2953



64.7960, 52.3131, 81.3491



35.1722, 30.9500, 34.6928



9.3149, 9.1363, 11.0058



17.6275, 8.6247, 21.7228



0.6387, 0.3110, 0.8568

Previews

White Background



This preview shows how the XYZ color 33.2284, 42.5964, 33.6647 looks on a white background.

Color Contrast Check

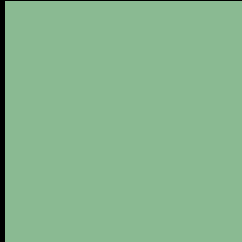
Large Text (above 18pt) WCAG AA × Fail

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 33.2284, 42.5964, 33.6647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

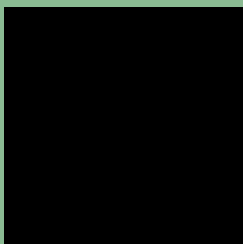
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

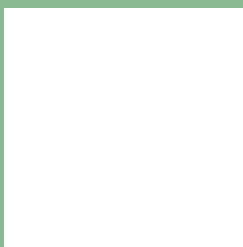
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2284, 42.5964, 33.6647

Background



This preview shows how black text looks on a background with the XYZ color 33.2284, 42.5964, 33.6647.



This preview shows how white text looks on a background with the XYZ color 33.2284, 42.5964,

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

33.2284, 42.5964, 33.6647

Protanopia

39.8773, 42.4798, 30.9086

Deuteranopia

42.8769, 41.9816, 34.6976



Tritanopia

38.0915, 42.7406, 57.2811

Trichromacy



Original Color

33.2284, 42.5964, 33.6647

Protanomaly

36.9513, 42.1186, 31.7733

Deuteranomaly

38.6923, 41.7891, 34.4606

Tritanomaly

36.1654, 42.5595, 47.9037

Monochromacy



Original Color

33.2284, 42.5964, 33.6647

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.1044, 39.8432, 38.6412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2284, 42.5964, 33.6647 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(138, 186, 146)` looks like.

```
.text, #text, p{  
    color:rgb(138, 186, 146)  
}
```

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(138, 186, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 186, 146) }
```

Border

The CSS property to change the border of an element to XYZ 33.2284, 42.5964, 33.6647 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(138, 186, 146) }
```


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

```
.border{ border-color:rgb(138, 186, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 186, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 186, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 186, 146);  
box-shadow:4px 4px 4px 4px rgb(138, 186,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2284, 42.5964, 33.6647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 186, 146) }
```

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

```
.background{ background-color: rgb(138,  
186, 146) }
```

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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