

Converting Colors

XYZ(33.6977, 41.8727, 21.3451)

Have a look what the booklet for
XYZ(33.6977, 41.8727, 21.3451)
contains.

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Color

**XYZ(33.6977, 41.8727,
21.3451)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB66F
RGB	158, 182, 111
RGB Percent	62%, 71%, 44%
CMY	0.3804, 0.2863, 0.5647
CMYK	0.13, 0.00, 0.39, 0.29
HSL	80°, 33%, 57%
HSV	80°, 39%, 71%
XYZ	33.6977, 41.8727, 21.3451
YIQ	166.7300, 8.4870, -27.1690

Conversions

Conversions Part 2

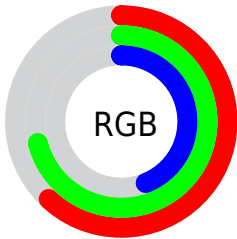
Format	Color
RYB	111, 182, 135
Decimal	10401391
CIELab	70.78, -20.18, 33.44
CIELCh	71, 39.062, 121.112
Yxy	41.8727, 0.3477, 0.4321
Android (android.graphics.Color)	4288591471 (0xFF9EB66F)
YUV	166.7300, -27.4749, -7.6562
Hunter-Lab	64.7091, -20.2859, 25.7388

Details

The XYZ color **33.6977, 41.8727, 21.3451** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **24.1214, 19.8983, 46.8278**, and the grayscale version is **36.7266, 38.6393, 42.0782**.

A 20% lighter version of the original color is **65.0069, 78.1255, 46.7755**, and **14.5455, 19.0516, 7.4681** is the 20% darker color. If you saturate the color by 10%, you get **31.6161, 40.9051, 16.5390**, and if you desaturate by 10%, it is **36.0462, 42.9569, 27.2312**.

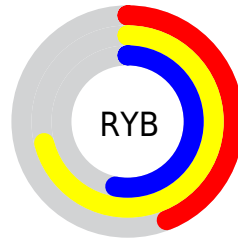
Distribution



Red (62%)

Green (71%)

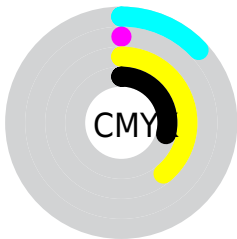
Blue (44%)



Red (44%)

Yellow (71%)

Blue (53%)

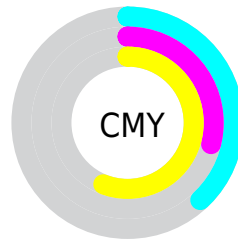


Cyan (13%)

Magenta (0%)

Yellow (39%)

Black (29%)



Cyan (38%)

Magenta (29%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6977, 41.8727, 21.3451 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 33.6977, 41.8727, 21.3451 by changing the saturation by 10% instead.

■ 33.6977, 41.8727,
21.3451

■ 33.6977, 41.8727,
21.3451

310.3917,
353.9550, 271.9479

■ 22.8232, 29.0016,
13.1828

■ 64.8107, 78.0069,
46.5494

■ 14.5830, 19.0821,
7.4223

■ 85.7800, 102.0389,
64.4285

■ 8.6117, 11.7296,
3.6452

■ 110.8449,
130.5599, 86.3835

■ 4.5438, 6.5598,
1.4328

■ 140.3708,
163.9544, 112.8332

■ 2.0142, 3.1884,
0.1671

174.7231,
202.6067, 144.1959

■ 0.6419, 1.2309,
0.0000

214.2671,

■ 0.0000, 0.0867,

246.9014, 180.8902

0.0000

259.3682,
297.2226, 223.3347

■ 0.0000, 0.0000,
0.0000

■ 33.6977, 41.8727,
21.3451

■ 33.6977, 41.8727,
21.3451

■ 31.6161, 40.9051,
16.5390

■ 36.0462, 42.9569,
27.2312

■ 29.7849, 40.0432,
12.7445

■ 38.6709, 44.1572,
34.2548

■ 28.1904, 39.2828,
9.8895


■ 41.5840, 45.4801,
42.4728


■ 26.8160, 38.6171,
7.8912


■ 44.7965, 46.9301,
51.9370


■ 25.6424, 38.0382,
6.6524


■ 48.3183, 48.5111,
62.6967


 24.6352, 37.5324,
5.9977

 52.1591, 50.2272,
74.7981

 24.5402, 37.4846,
5.9419

 56.3280, 52.0822,
88.2854

 60.5741, 53.9757,
101.8335

 62.3295, 54.8806,
101.9156

Harmonies

Analogous

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



39.5572, 41.8727, 18.3993



33.6977, 41.8727, 21.3451



29.8499, 41.8727, 30.4263

Triad

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



33.6977, 41.8727, 21.3451



34.0743, 41.8727, 84.5472



53.6111, 41.8727, 44.9026

Complementary

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



33.6977, 41.8727, 21.3451



24.1214, 19.8983, 46.8278

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.



51.7438, 41.8727, 65.1092



33.6977, 41.8727, 21.3451



40.0413, 41.8727, 91.4219

Square

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



33.6977, 41.8727, 21.3451



30.0501, 41.8727, 66.6437



46.5950, 41.8727, 83.5053



51.4560, 41.8727, 29.5187

Rectangle

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



33.6977, 41.8727, 21.3451



28.7077, 41.8727, 40.2951



46.5950, 41.8727, 83.5053



53.4316, 41.8727, 51.3344

Sweetspot

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



33.6987, 41.8746, 21.3460



73.6438, 81.6605, 72.0025



30.7797, 28.3292, 18.8853



16.1127, 17.9669, 15.4694



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.6987, 41.8746, 21.3460



57.7509, 74.3598, 30.9429



27.7431, 38.8043, 21.0673



9.4473, 10.3472, 9.6062



17.4022, 26.5075, 4.1993



0.6766, 0.9670, 0.1510

Inverse Universe

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



24.1214, 19.8983, 46.8278



37.9098, 28.7915, 83.7950



30.7431, 23.3120, 47.1377



8.7996, 8.8631, 11.3264



7.4094, 3.1309, 31.4669



0.3289, 0.1453, 1.1125

Previews

White Background



This preview shows how the XYZ color 33.6977, 41.8727, 21.3451 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 33.6977, 41.8727, 21.3451 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 33.6977, 41.8727, 21.3451

Background



This preview shows how black text looks on a background with the XYZ color 33.6977, 41.8727, 21.3451.



This preview shows how white text looks on a background with the XYZ color 33.6977, 41.8727,

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

33.6977, 41.8727, 21.3451

Protanopia

38.5837, 41.7675, 19.9383

Deuteranopia

42.2818, 41.4135, 21.9848



Tritanopia

40.0617, 41.7998, 52.9704

Trichromacy



Original Color

33.6977, 41.8727, 21.3451

Protanomaly

36.5922, 41.5984, 20.2880

Deuteranomaly

38.5864, 41.1595, 21.8305

Tritanomaly

37.0932, 41.4464, 38.8458

Monochromacy



Original Color

33.6977, 41.8727, 21.3451

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.3288, 39.5041, 33.3668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6977, 41.8727, 21.3451 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(158, 182, 111)` looks like.

```
.text, #text, p{  
    color:rgb(158, 182, 111)  
}
```

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(158, 182, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 182, 111) }
```

Border

The CSS property to change the border of an element to XYZ 33.6977, 41.8727, 21.3451 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(158, 182, 111) }
```


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

```
.border{ border-color:rgb(158, 182, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 182, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 182, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 182, 111);  
box-shadow:4px 4px 4px 4px rgb(158, 182,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6977, 41.8727, 21.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 182, 111) }
```

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

```
.background{ background-color: rgb(158,  
182, 111) }
```

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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