

Converting Colors

XYZ(21.4181, 35.8344, 21.0920)

Have a look what the booklet for
XYZ(21.4181, 35.8344, 21.0920)
contains.

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Color

**XYZ(21.4337, 35.8490,
21.1191)**

Conversions

Conversions Part 1

Format	Color
Hex	37B770
RGB	55, 183, 112
RGB Percent	22%, 72%, 44%
CMY	0.7843, 0.2823, 0.5608
CMYK	0.70, 0.00, 0.39, 0.28
HSL	147°, 54%, 47%
HSV	147°, 70%, 72%
XYZ	21.4337, 35.8490, 21.1191
YIQ	136.6340, -53.4970, -49.2170

Conversions

Conversions Part 2

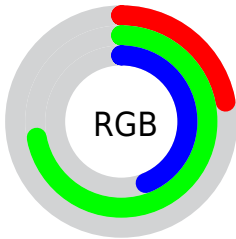
Format	Color
RYB	55, 144, 183
Decimal	3651440
CIELab	66.40, -50.85, 26.31
CIELCh	66, 57.254, 152.649
Yxy	35.8490, 0.2734, 0.4572
Android (android.graphics.Color)	4281841520 (0xFF37B770)
YUV	136.6340, -12.1446, -71.5930
Hunter-Lab	59.8740, -40.8802, 20.9987

Details

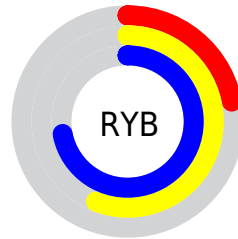
The XYZ color **21.4337, 35.8490, 21.1191** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **24.6618, 14.3069, 21.2021**, and the grayscale version is **23.6995, 24.9337, 27.1528**.

A 20% lighter version of the original color is **45.3321, 68.8521, 46.0225**, and **8.7475, 16.0594, 7.3414** is the 20% darker color. If you saturate the color by 10%, you get **20.0773, 35.2124, 18.2701**, and if you desaturate by 10%, it is **23.2272, 36.7055, 24.3228**.

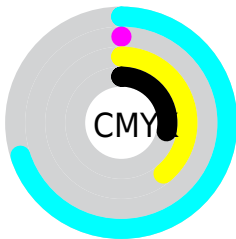
Distribution



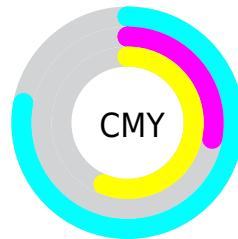
- Red (22%)
- Green (72%)
- Blue (44%)



- Red (22%)
- Yellow (56%)
- Blue (72%)



- Cyan (70%)
- Magenta (0%)
- Yellow (39%)
- Black (28%)





- Cyan (78%)
- Magenta (28%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4337, 35.8490, 21.1191 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 21.4337, 35.8490, 21.1191 by changing the saturation by 10% instead.


 21.4337, 35.8490,
21.1191


 21.4337, 35.8490,
21.1191

252.2628,
328.3001, 270.7126


 13.5557, 24.3176,
13.0190


 45.2941, 68.7989,
46.1690


 7.8919, 15.5694,
7.3107


 62.0071, 90.9863,
63.9559


 4.0771, 9.2200,
3.5758


 82.3959, 117.4944,
85.8089

 1.7458, 4.8849,
1.3956

 106.8257,
148.7076, 112.1463

 0.4847, 2.1799,
0.1383

 135.6620,
185.0104, 143.3869

 0.0000, 0.7090,
0.0000

169.2700,

 0.0000, 0.0000,

226.7872, 179.9491

0.0000

208.0151,
274.4222, 222.2515

■ 21.4337, 35.8490,
21.1191

■ 21.4337, 35.8490,
21.1191

■ 20.0773, 35.2124,
18.2701

■ 23.2272, 36.7055,
24.3228

■ 19.1098, 34.7682,
15.7602

■ 25.4941, 37.7975,
27.8911

■ 18.4413, 34.4712,
13.5745

■ 28.2695, 39.1438,
31.8364

■ 18.4378, 34.4697,
13.5631

■ 31.5844, 40.7603,
36.1698

■ 35.4674, 42.6613,
40.9018

■ 39.9448, 44.8604,
46.0426

■ 45.0413, 47.3699,
51.6020

■ 50.7802, 50.2018,
57.5893

■ 57.1834, 53.3673,
64.0138

Harmonies

Analogous

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



25.9348, 35.8490, 11.2574



21.4337, 35.8490, 21.1191



20.1220, 35.8490, 41.2550

Triad

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



21.4337, 35.8490, 21.1191



34.8405, 35.8490, 107.6939



49.9151, 35.8490, 18.7091

Complementary

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



21.4337, 35.8490, 21.1191



24.6618, 14.3069, 21.2021

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.



53.3254, 35.8490, 36.8931



21.4337, 35.8490, 21.1191



43.7580, 35.8490, 93.7728

Square

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



21.4337, 35.8490, 21.1191



27.0499, 35.8490, 97.7390



50.9037, 35.8490, 64.9761



42.2182, 35.8490, 10.3321

Rectangle

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



21.4337, 35.8490, 21.1191



21.0170, 35.8490, 60.1707



50.9037, 35.8490, 64.9761



51.6541, 35.8490, 23.5359

Sweetspot

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



21.4346, 35.8505, 21.1199



62.4803, 75.8936, 72.0189



26.4564, 38.6974, 9.6899



13.3637, 16.5488, 15.3824



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.



21.4346, 35.8505, 21.1199



34.9329, 62.5895, 30.1992



26.1958, 37.7549, 46.1917



9.0521, 10.1248, 10.4316



12.8956, 24.0592, 9.6379



0.4858, 0.8606, 0.5043

Inverse Universe

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



24.6618, 14.3069, 21.2021



41.0470, 21.5652, 30.2005



21.8078, 13.1653, 6.1735



9.2075, 9.0934, 10.4400



15.3145, 7.6996, 9.5431



0.5705, 0.2837, 0.4978

Previews

White Background



This preview shows how the XYZ color 21.4337, 35.8490, 21.1191 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 21.4337, 35.8490, 21.1191 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 21.4337, 35.8490, 21.1191

Background



This preview shows how black text looks on a background with the XYZ color 21.4337, 35.8490, 21.1191.



This preview shows how white text looks on a background with the XYZ color 21.4337, 35.8490,

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

21.4337, 35.8490, 21.1191

Protanopia

32.4745, 35.1196, 17.8991

Deuteranopia

35.8716, 35.2619, 22.3684



Tritanopia

27.7804, 35.7419, 53.0117

Trichromacy



Original Color

21.4337, 35.8490, 21.1191



Protanomaly

25.9642, 33.8712, 18.8050



Deuteranomaly

27.4227, 33.7467, 21.5914



Tritanomaly

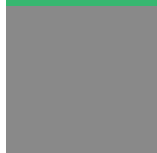
24.8150, 35.3988, 38.7825

Monochromacy



Original Color

21.4337, 35.8490, 21.1191



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.5153, 27.7955, 24.6532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4337, 35.8490, 21.1191 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(55, 183, 112)` looks like.

```
.text, #text, p{  
    color:rgb(55, 183, 112)  
}
```

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(55, 183, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 183, 112) }
```

Border

The CSS property to change the border of an element to XYZ 21.4337, 35.8490, 21.1191 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(55, 183, 112) }
```


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

```
.border{ border-color:rgb(55, 183, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 183, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 183, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 183, 112); box-shadow:4px 4px 4px 4px rgb(55, 183, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4337, 35.8490, 21.1191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 183, 112) }
```

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

```
.background{ background-color: rgb(55, 183,  
112) }
```

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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