

Converting Colors

XYZ(28.8970, 40.9515, 21.1333)

Have a look what the booklet for
XYZ(28.8970, 40.9515, 21.1333)
contains.

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Color

**XYZ(28.8970, 40.9515,
21.1333)**

Conversions

Conversions Part 1

Format	Color
Hex	7CBB6E
RGB	124, 187, 110
RGB Percent	49%, 73%, 43%
CMY	0.5137, 0.2667, 0.5686
CMYK	0.34, 0.00, 0.41, 0.27
HSL	109°, 36%, 58%
HSV	109°, 41%, 73%
XYZ	28.8970, 40.9515, 21.1333
YIQ	159.3850, -12.8310, -37.3030

Conversions

Conversions Part 2

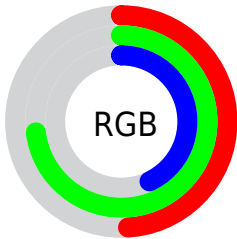
Format	Color
RYB	110, 187, 173
Decimal	8174446
CIELab	70.14, -35.09, 32.72
CIELCh	70, 47.983, 137.002
Yxy	40.9515, 0.3176, 0.4501
Android (android.graphics.Color)	4286364526 (0xFF7CBB6E)
YUV	159.3850, -24.3468, -31.0326
Hunter-Lab	63.9934, -31.3845, 25.2153

Details

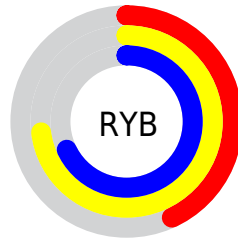
The XYZ color **28.8970, 40.9515, 21.1333** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **31.7810, 23.6252, 49.9009**, and the grayscale version is **33.2442, 34.9755, 38.0883**.

A 20% lighter version of the original color is **57.5519, 76.9294, 46.4659**, and **11.8284, 18.4516, 7.3530** is the 20% darker color. If you saturate the color by 10%, you get **25.9423, 39.5350, 16.2297**, and if you desaturate by 10%, it is **32.4117, 42.6343, 27.1864**.

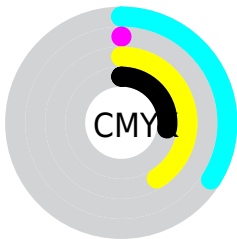
Distribution



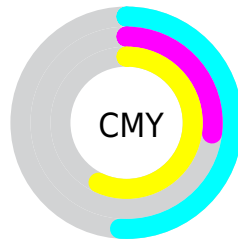
- Red (49%)
- Green (73%)
- Blue (43%)



- Red (43%)
- Yellow (73%)
- Blue (68%)



- Cyan (34%)
- Magenta (0%)
- Yellow (41%)
- Black (27%)



- Cyan (51%)
- Magenta (27%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8970, 40.9515, 21.1333 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 28.8970, 40.9515, 21.1333 by changing the saturation by 10% instead.

■ 28.8970, 40.9515,
21.1333

■ 28.8970, 40.9515,
21.1333

288.7316,
350.1179, 270.7903

■ 19.1468, 28.2812,
13.0293

■ 57.3121, 76.6103,
46.1929

■ 11.8810, 18.5377,
7.3177

■ 76.7077, 100.3675,
63.9857

■ 6.7343, 11.3367,
3.5802

■ 100.0492,
128.5892, 85.8450

■ 3.3414, 6.2938,
1.3980

■ 127.7018,
161.6597, 112.1895

■ 1.3368, 3.0245,
0.1401

160.0310,
199.9634, 143.4378

■ 0.2105, 1.1446,
0.0000

197.4022,

■ 0.0000, 0.0157,

243.8848, 180.0083

0.0000

240.1806,
293.8081, 222.3197

■ 0.0000, 0.0000,
0.0000

■ 28.8970, 40.9515,
21.1333

■ 28.8970, 40.9515,
21.1333

■ 25.9423, 39.5350,
16.2297

■ 32.4117, 42.6343,
27.1864

■ 23.5153, 38.3661,
12.4003

■ 36.5106, 44.5908,
34.4525

■ 21.5846, 37.4315,
9.5653


■ 41.2202, 46.8345,
42.9936


■ 20.1145, 36.7149,
7.6323


■ 46.5642, 49.3764,
52.8669


■ 19.0638, 36.1974,
6.4921


■ 52.5652, 52.2271,
64.1258

 18.4307, 35.8823,
5.9546

 59.2448, 55.3965,
76.8212

 66.6234, 58.8940,
91.0010

 73.9700, 62.4287,
102.7590

 77.0611, 64.0223,
102.9037

Harmonies

Analogous

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



34.6755, 40.9515, 14.7148



28.8970, 40.9515, 21.1333



25.9936, 40.9515, 35.5581

Triad

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



28.8970, 40.9515, 21.1333



35.6268, 40.9515, 101.3450



55.2104, 40.9515, 33.1088

Complementary

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



28.8970, 40.9515, 21.1333



31.7810, 23.6252, 49.9009

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.



55.5556, 40.9515, 55.0330



28.8970, 40.9515, 21.1333



43.5043, 40.9515, 100.0002

Square

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



28.8970, 40.9515, 21.1333



29.5125, 40.9515, 84.2533



51.0355, 40.9515, 81.0324



50.1478, 40.9515, 19.8619

Rectangle

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



28.8970, 40.9515, 21.1333



25.7847, 40.9515, 50.0675



51.0355, 40.9515, 81.0324



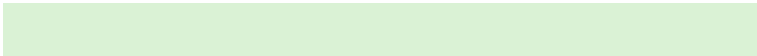
55.9038, 40.9515, 39.5259

Sweetspot

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



28.8980, 40.9532, 21.1342



72.9123, 83.4436, 75.3340



38.2309, 41.5349, 20.7546



15.8027, 18.2548, 16.1265



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.



28.8980, 40.9532, 21.1342



47.1356, 71.1283, 30.1639



28.5319, 40.5894, 29.0265



9.5663, 10.7308, 10.1437



12.7434, 24.7453, 4.1047



0.5492, 0.9951, 0.1631

Inverse Universe

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



31.7810, 23.6252, 49.9009



52.9342, 36.0485, 88.3695



32.6475, 24.3484, 37.4511



9.7553, 9.6062, 12.0122



15.2879, 7.1673, 32.9706



0.6439, 0.3040, 1.2936

Previews

White Background



This preview shows how the XYZ color 28.8970, 40.9515, 21.1333 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 28.8970, 40.9515, 21.1333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

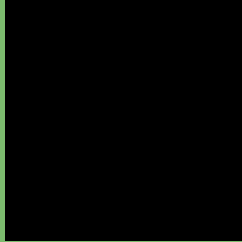
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8970, 40.9515, 21.1333

Background



This preview shows how black text looks on a background with the XYZ color 28.8970, 40.9515, 21.1333.



This preview shows how white text looks on a background with the XYZ color 28.8970, 40.9515,

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

28.8970, 40.9515, 21.1333

Protanopia

37.5551, 40.6901, 18.9713

Deuteranopia

41.0935, 40.2696, 21.8266



Tritanopia

35.7178, 40.6533, 55.8335

Trichromacy



Original Color

28.8970, 40.9515, 21.1333

Protanomaly

33.6335, 40.3774, 19.6566

Deuteranomaly

35.4124, 39.8113, 21.4407

Tritanomaly

32.7183, 40.6429, 40.3028

Monochromacy



Original Color

28.8970, 40.9515, 21.1333

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.8497, 36.4100, 30.6012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8970, 40.9515, 21.1333 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(124, 187, 110)` looks like.

```
.text, #text, p{  
    color:rgb(124, 187, 110)  
}
```

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(124, 187, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 187, 110) }
```

Border

The CSS property to change the border of an element to XYZ 28.8970, 40.9515, 21.1333 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(124, 187, 110) }
```


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

```
.border{ border-color:rgb(124, 187, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 187, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 187, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 187, 110);  
box-shadow:4px 4px 4px 4px rgb(124, 187,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8970, 40.9515, 21.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 187, 110) }
```

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

```
.background{ background-color: rgb(124,  
187, 110) }
```

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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