

Converting Colors

XYZ(28.1043, 40.6755, 21.8394)

Have a look what the booklet for
XYZ(28.1043, 40.6755, 21.8394)
contains.

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Color

**XYZ(28.0311, 40.4924,
21.6677)**

Conversions

Conversions Part 1

Format	Color
Hex	75BB70
RGB	117, 187, 112
RGB Percent	46%, 73%, 44%
CMY	0.5412, 0.2667, 0.5608
CMYK	0.37, 0.00, 0.40, 0.27
HSL	116°, 36%, 59%
HSV	116°, 40%, 73%
XYZ	28.0311, 40.4924, 21.6677
YIQ	157.5200, -17.6450, -38.1650

Conversions

Conversions Part 2

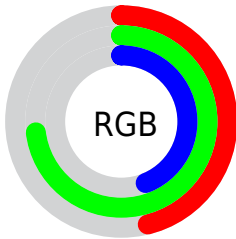
Format	Color
RYB	112, 187, 182
Decimal	7715696
CIELab	69.82, -37.09, 31.20
CIElCh	70, 48.469, 139.934
Yxy	40.4924, 0.3108, 0.4490
Android (android.graphics.Color)	4285905776 (0xFF75BB70)
YUV	157.5200, -22.4414, -35.5360
Hunter-Lab	63.6336, -32.7283, 24.3549

Details

The XYZ color **28.0311, 40.4924, 21.6677** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **34.0571, 25.1226, 50.0699**, and the grayscale version is **32.3870, 34.0736, 37.1062**.

A 20% lighter version of the original color is **56.1555, 76.1886, 47.3435**, and **11.3991, 18.2239, 7.6194** is the 20% darker color. If you saturate the color by 10%, you get **24.9659, 39.0215, 16.6422**, and if you desaturate by 10%, it is **31.7519, 42.2787, 27.8543**.

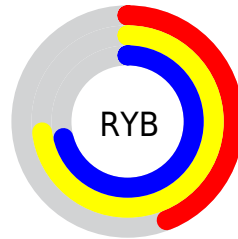
Distribution



Red (46%)

Green (73%)

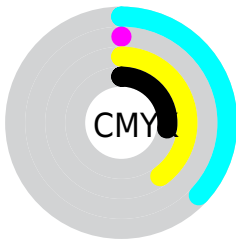
Blue (44%)



Red (44%)

Yellow (73%)

Blue (71%)

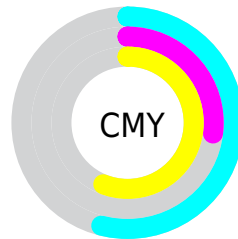


Cyan (37%)

Magenta (0%)

Yellow (40%)

Black (27%)



Cyan (54%)

Magenta (27%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0311, 40.4924, 21.6677 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 28.0311, 40.4924, 21.6677 by changing the saturation by 10% instead.

■ 28.0311, 40.4924,
21.6677

■ 28.0311, 40.4924,
21.6677

284.6929,
348.1946, 273.7026

■ 18.4897, 27.9227,
13.4170

■ 55.9424, 75.9127,
47.0913

■ 11.4039, 18.2674,
7.5822

■ 75.0430, 99.5321,
65.1012

■ 6.4085, 11.1421,
3.7449

■ 98.0606, 127.6036,
87.2013

■ 3.1380, 6.1625,
1.4865

■ 125.3608,
160.5114, 113.8100

■ 1.2272, 2.9441,
0.2078

157.3087,
198.6400, 145.3460

■ 0.1277, 1.1026,
0.0000

194.2698,

■ 0.0000, 0.0000,

242.3738, 182.2277

0.0000

236.6094,
292.0972, 224.8738

■ 28.0311, 40.4924,
21.6677

■ 28.0311, 40.4924,
21.6677

■ 24.9659, 39.0215,
16.6422

■ 31.7519, 42.2787,
27.8543

■ 22.5153, 37.8428,
12.7030

■ 36.1600, 44.3917,
35.2654

■ 20.6386, 36.9383,
9.7708


■ 41.2888, 46.8485,
43.9628


■ 19.2890, 36.2858,
7.7541


■ 47.1686, 49.6634,
54.0036


■ 18.4120, 35.8595,
6.5451

■ 53.8278, 52.8501,
65.4413

 17.9293, 35.6238,
5.9311

 61.2935, 56.4214,
78.3264

 69.5916, 60.3895,
92.7072

 77.0611, 64.0222,
102.9037

Harmonies

Analogous

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



33.5560, 40.4924, 14.6135



28.0311, 40.4924, 21.6677



25.4302, 40.4924, 36.9415

Triad

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



28.0311, 40.4924, 21.6677



35.9026, 40.4924, 101.9879



54.5328, 40.4924, 30.9061

Complementary

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



28.0311, 40.4924, 21.6677



34.0571, 25.1226, 50.0699

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.



55.3869, 40.4924, 52.1044



28.0311, 40.4924, 21.6677



43.8784, 40.4924, 98.6513

Square

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



28.0311, 40.4924, 21.6677



29.5471, 40.4924, 86.2546



51.2645, 40.4924, 78.2716



49.0691, 40.4924, 18.5489

Rectangle

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



28.0311, 40.4924, 21.6677



25.4256, 40.4924, 51.9938



51.2645, 40.4924, 78.2716



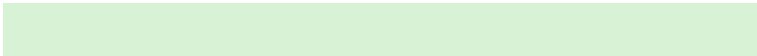
55.3946, 40.4924, 37.0296

Sweetspot

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



28.0321, 40.4941, 21.6686



71.9185, 82.9313, 75.2875



40.1479, 45.1926, 21.9369



15.5644, 18.1320, 16.1153



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.



28.0321, 40.4941, 21.6686



45.3775, 70.2041, 30.8876



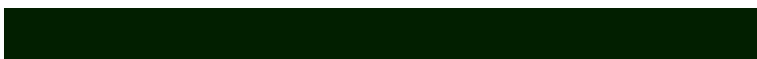
29.5261, 41.0162, 32.9483



9.4661, 10.6792, 10.1390



12.3759, 24.5559, 4.0875



0.5051, 0.9724, 0.1611

Inverse Universe

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



34.0571, 25.1226, 50.0699



57.6178, 38.9171, 88.6764



32.1636, 24.5040, 33.8265



9.8655, 9.6630, 12.0174



18.3140, 8.7273, 33.1122



0.7364, 0.3517, 1.2979

Previews

White Background



This preview shows how the XYZ color 28.0311, 40.4924, 21.6677 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 28.0311, 40.4924, 21.6677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

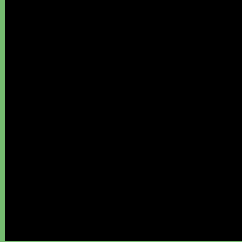
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.0311, 40.4924, 21.6677

Background



This preview shows how black text looks on a background with the XYZ color 28.0311, 40.4924, 21.6677.



This preview shows how white text looks on a background with the XYZ color 28.0311, 40.4924,

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

28.0311, 40.4924, 21.6677

Protanopia

36.9321, 40.0837, 19.1550

Deuteranopia

40.8189, 39.8452, 22.6790



Tritanopia

34.9505, 40.5521, 55.8544

Trichromacy



Original Color

28.0311, 40.4924, 21.6677

Protanomaly

32.7293, 39.6070, 20.1072

Deuteranomaly

34.7286, 39.1574, 22.2507

Tritanomaly

31.8871, 40.2041, 40.7299

Monochromacy



Original Color

28.0311, 40.4924, 21.6677

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.3234, 36.1387, 30.5765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0311, 40.4924, 21.6677 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(117, 187, 112)` looks like.

```
.text, #text, p{  
    color:rgb(117, 187, 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(117, 187, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 187, 112) }
```

Border

The CSS property to change the border of an element to XYZ 28.0311, 40.4924, 21.6677 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(117, 187, 112) }
```


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

```
.border{ border-color:rgb(117, 187, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 187, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 187, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 187, 112);  
box-shadow:4px 4px 4px 4px rgb(117, 187,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0311, 40.4924, 21.6677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 187, 112) }
```

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

```
.background{ background-color: rgb(117,  
187, 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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