

Converting Colors

XYZ(30.6123, 40.1248, 26.1559)

Have a look what the booklet for
XYZ(30.6123, 40.1248, 26.1559)
contains.

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Color

**XYZ(30.7121, 40.2224,
26.2237)**

Conversions

Conversions Part 1

Format	Color
Hex	88B67F
RGB	136, 182, 127
RGB Percent	53%, 71%, 50%
CMY	0.4667, 0.2863, 0.5020
CMYK	0.25, 0.00, 0.30, 0.29
HSL	110°, 27%, 61%
HSV	110°, 30%, 71%
XYZ	30.7121, 40.2224, 26.2237
YIQ	161.9760, -9.7610, -26.8570

Conversions

Conversions Part 2

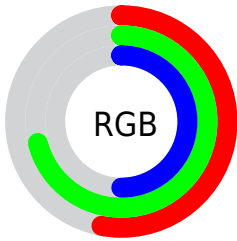
Format	Color
RYB	127, 182, 173
Decimal	8959615
CIELab	69.63, -25.98, 23.20
CIELCh	70, 34.830, 138.236
Yxy	40.2224, 0.3161, 0.4140
Android (android.graphics.Color)	4287149695 (0xFF88B67F)
YUV	161.9760, -17.2432, -22.7810
Hunter-Lab	63.4211, -24.5472, 19.8793

Details

The XYZ color **30.7121, 40.2224, 26.2237** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **33.2680, 27.4415, 47.8013**, and the grayscale version is **34.4138, 36.2060, 39.4283**.

A 20% lighter version of the original color is **60.0480, 75.3915, 54.5672**, and **12.9361, 18.1676, 9.8461** is the 20% darker color. If you saturate the color by 10%, you get **27.3325, 38.6063, 20.4232**, and if you desaturate by 10%, it is **34.6592, 42.1087, 33.1710**.

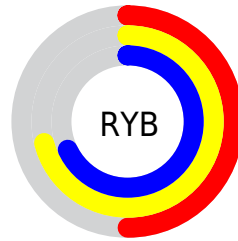
Distribution



Red (53%)

Green (71%)

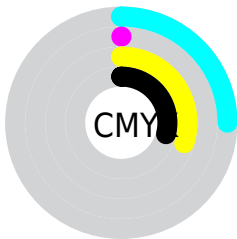
Blue (50%)



Red (50%)

Yellow (71%)

Blue (68%)

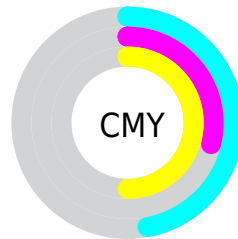


Cyan (25%)

Magenta (0%)

Yellow (30%)

Black (29%)



Cyan (47%)

Magenta (29%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7121, 40.2224, 26.2237 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 30.7121, 40.2224, 26.2237 by changing the saturation by 10% instead.

■ 30.7121, 40.2224,
26.2237

■ 30.7121, 40.2224,
26.2237

297.0604,
347.0601, 297.5188

■ 20.5305, 27.7120,
16.7638

■ 60.1654, 75.5021,
54.6241

■ 12.8917, 18.1087,
9.9061

■ 80.1679, 99.0401,
74.4017

■ 7.4305, 11.0280,
5.2319

■ 104.1746,
127.0228, 98.4556

■ 3.7815, 6.0857,
2.3229

132.5510,
159.8345, 127.2044

■ 1.5793, 2.8973,
0.7440

165.6624,
197.8598, 161.0666

■ 0.3788, 1.0783,
0.0000

203.8742,

■ 0.0000, 0.0000,

241.4828, 200.4607

0.0000

247.5518,
291.0881, 245.8052

■ 30.7121, 40.2224,
26.2237

■ 30.7121, 40.2224,
26.2237

■ 27.3325, 38.6063,
20.4232

■ 34.6592, 42.1087,
33.1710

■ 24.4911, 37.2429,
15.7053

■ 39.1953, 44.2715,
41.3192

■ 22.1605, 36.1210,
12.0037


■ 44.3444, 46.7232,
50.7224


■ 20.3097, 35.2260,
9.2436


■ 50.1285, 49.4740,
61.4305

■ 18.9039, 34.5420,
7.3400


■ 56.5682, 52.5335,
73.4907

 17.9038, 34.0508,
6.1925

 63.6833, 55.9110,
86.9479

 17.2577, 33.7301,
5.6010

 71.4928, 59.6153,
101.8447

 76.0187, 61.9374,
102.5562

Harmonies

Analogous

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



34.9423, 40.2224, 20.4592



30.7121, 40.2224, 26.2237



28.5830, 40.2224, 37.7747

Triad

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



30.7121, 40.2224, 26.2237



36.0657, 40.2224, 81.6899



49.4588, 40.2224, 34.7939

Complementary

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



30.7121, 40.2224, 26.2237



33.2680, 27.4415, 47.8013

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.



49.8352, 40.2224, 50.4240



30.7121, 40.2224, 26.2237



41.7181, 40.2224, 80.3251

Square

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



30.7121, 40.2224, 26.2237



31.4648, 40.2224, 71.2231



46.8848, 40.2224, 67.8557



45.9018, 40.2224, 24.5048

Rectangle

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



30.7121, 40.2224, 26.2237



28.4878, 40.2224, 48.3874



46.8848, 40.2224, 67.8557



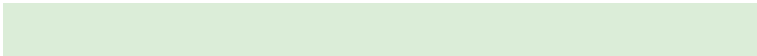
49.9734, 40.2224, 39.5034

Sweetspot

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



30.7131, 40.2241, 26.2246



72.0007, 80.7096, 76.6183



38.0354, 41.3025, 26.0468



15.6198, 17.6914, 16.4096



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.



30.7131, 40.2241, 26.2246



51.6492, 70.9944, 40.5908



30.6182, 40.0243, 33.0357



9.0236, 10.1288, 9.5864



12.2252, 23.8386, 3.9570



0.4739, 0.8625, 0.1415

Inverse Universe

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



33.2680, 27.4415, 47.8013



56.9872, 44.2238, 85.7682



33.5529, 27.7932, 38.5620



9.2328, 9.0864, 11.3467



15.1838, 7.1387, 31.8307



0.5742, 0.2717, 1.1239

Previews

White Background



This preview shows how the XYZ color 30.7121, 40.2224, 26.2237 looks on a white background.

Color Contrast Check

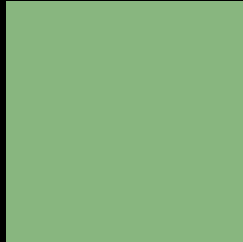
Large Text (above 18pt) WCAG AA × Fail

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 30.7121, 40.2224, 26.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

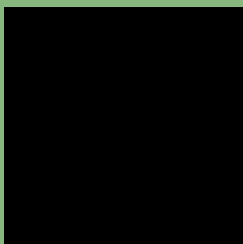
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

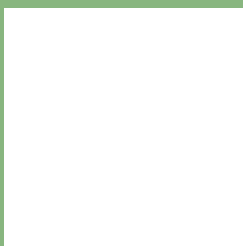
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7121, 40.2224, 26.2237

Background



This preview shows how black text looks on a background with the XYZ color 30.7121, 40.2224, 26.2237.



This preview shows how white text looks on a background with the XYZ color 30.7121, 40.2224,

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

30.7121, 40.2224, 26.2237

Protanopia

37.1676, 39.8237, 23.8170

Deuteranopia

40.7471, 39.9752, 27.0411



Tritanopia

36.0672, 40.0139, 53.3995

Trichromacy



Original Color

30.7121, 40.2224, 26.2237

Protanomaly

34.4371, 39.8092, 24.6078

Deuteranomaly

36.3085, 39.5913, 26.8473

Tritanomaly

33.7604, 39.9482, 42.0078

Monochromacy



Original Color

30.7121, 40.2224, 26.2237

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.7497, 37.3182, 33.9108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7121, 40.2224, 26.2237 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(136, 182, 127)` looks like.

```
.text, #text, p{  
    color:rgb(136, 182, 127)  
}
```

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(136, 182, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 182, 127) }
```

Border

The CSS property to change the border of an element to XYZ 30.7121, 40.2224, 26.2237 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(136, 182, 127) }
```


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

```
.border{ border-color:rgb(136, 182, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 182, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 182, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 182, 127);  
box-shadow:4px 4px 4px 4px rgb(136, 182,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7121, 40.2224, 26.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 182, 127) }
```

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

```
.background{ background-color: rgb(136,  
182, 127) }
```

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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