

Converting Colors

XYZ(30.2418, 42.0021, 29.4904)

Have a look what the booklet for
XYZ(30.2418, 42.0021, 29.4904)
contains.

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Color

**XYZ(30.3165, 42.1375,
29.4572)**

Conversions

Conversions Part 1

Format	Color
Hex	78BD87
RGB	120, 189, 135
RGB Percent	47%, 74%, 53%
CMY	0.5294, 0.2588, 0.4706
CMYK	0.37, 0.00, 0.29, 0.26
HSL	133°, 34%, 61%
HSV	133°, 37%, 74%
XYZ	30.3165, 42.1375, 29.4572
YIQ	162.2130, -23.7900, -31.4220

Conversions

Conversions Part 2

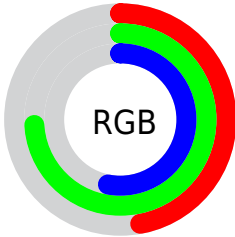
Format	Color
RYB	120, 177, 189
Decimal	7912839
CIELab	70.97, -33.23, 20.59
CIELCh	71, 39.088, 148.216
Yxy	42.1375, 0.2975, 0.4135
Android (android.graphics.Color)	4286102919 (0xFF78BD87)
YUV	162.2130, -13.4160, -37.0208
Hunter-Lab	64.9134, -30.2336, 18.5340

Details

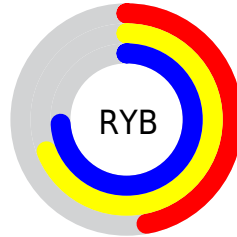
The XYZ color **30.3165, 42.1375, 29.4572** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **35.3441, 27.3087, 43.4543**, and the grayscale version is **34.5123, 36.3096, 39.5412**.

A 20% lighter version of the original color is **59.4884, 78.5410, 59.6015**, and **12.6184, 19.1771, 11.6308** is the 20% darker color. If you saturate the color by 10%, you get **26.9795, 40.5305, 24.2375**, and if you desaturate by 10%, it is **34.3178, 44.0726, 35.4652**.

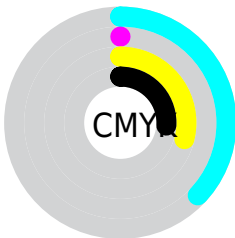
Distribution



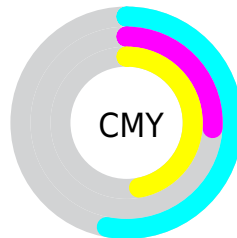
- Red (47%)
- Green (74%)
- Blue (53%)



- Red (47%)
- Yellow (69%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (26%)



- Cyan (53%)
- Magenta (26%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3165, 42.1375, 29.4572 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 30.3165, 42.1375, 29.4572 by changing the saturation by 10% instead.

■ 30.3165, 42.1375,
29.4572

■ 30.3165, 42.1375,
29.4572

295.2604,
355.0526, 313.4942

■ 20.2282, 29.2090,
19.1784

■ 59.5455, 78.4077,
59.8535

■ 12.6703, 19.2390,
11.6211

■ 79.4170, 102.5181,
80.8081

■ 7.2773, 11.8431,
6.3669

■ 103.2802,
131.1247, 106.1585

■ 3.6840, 6.6369,
2.9970

131.5006,
164.6117, 136.3230

■ 1.5250, 3.2361,
1.0931

164.4434,
203.3636, 171.7203

■ 0.3427, 1.2562,
0.0000

202.4741,

■ 0.0000, 0.1069,

247.7648, 212.7689

0.0000

245.9580,
298.1997, 259.8874

■ 0.0000, 0.0000,
0.0000

■ 30.3165, 42.1375,
29.4572

■ 30.3165, 42.1375,
29.4572

■ 26.9795, 40.5305,
24.2375

■ 34.3178, 44.0726,
35.4652

■ 24.2669, 39.2282,
19.7705

■ 39.0138, 46.3473,
42.2893

■ 22.1398, 38.2124,
16.0222


■ 44.4370, 48.9789,
49.9596


■ 20.5531, 37.4607,
12.9549


■ 50.6167, 51.9819,
58.5038


■ 19.4552, 36.9472,
10.5272


■ 57.5807, 55.3702,
67.9482


 18.7791, 36.6386,
8.6931

 65.3554, 59.1567,
78.3181

 18.6002, 36.5575,
8.1818

 73.9660, 63.3540,
89.6379

 77.2214, 64.7700,
101.6400

 77.4884, 64.8768,
103.0461

Harmonies

Analogous

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



34.4141, 42.1375, 20.9694



30.3165, 42.1375, 29.4572



28.7875, 42.1375, 44.7724

Triad

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



30.3165, 42.1375, 29.4572



39.6616, 42.1375, 91.9016



52.1361, 42.1375, 30.9209

Complementary

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



30.3165, 42.1375, 29.4572



35.3441, 27.3087, 43.4543

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.



53.9238, 42.1375, 47.0069



30.3165, 42.1375, 29.4572



46.2709, 42.1375, 85.3179

Square

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



30.3165, 42.1375, 29.4572



33.8070, 42.1375, 83.6396



51.6724, 42.1375, 67.4942



47.0188, 42.1375, 21.6393

Rectangle

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



30.3165, 42.1375, 29.4572



29.2893, 42.1375, 58.0360



51.6724, 42.1375, 67.4942



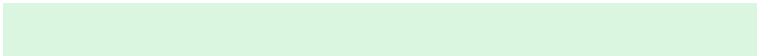
53.1692, 42.1375, 35.5532

Sweetspot

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



30.3176, 42.1393, 29.4581



74.8845, 85.4365, 82.8703



39.0560, 46.7576, 24.7364



15.8224, 18.2363, 17.4228



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.



30.3176, 42.1393, 29.4581



49.3122, 73.0654, 44.9932



33.1483, 43.2716, 44.3646



9.4914, 10.6827, 10.5713



12.5380, 24.6055, 5.6300



0.5160, 0.9738, 0.3518

Inverse Universe

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



35.3441, 27.3087, 43.4543



59.6470, 42.5338, 73.7415



32.4045, 26.1328, 27.9743



9.8387, 9.6598, 11.5398



17.7413, 8.7277, 19.7290



0.7174, 0.3509, 0.8912

Previews

White Background



This preview shows how the XYZ color 30.3165, 42.1375, 29.4572 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 30.3165, 42.1375, 29.4572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

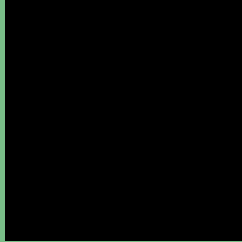
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3165, 42.1375, 29.4572

Background



This preview shows how black text looks on a background with the XYZ color 30.3165, 42.1375, 29.4572.

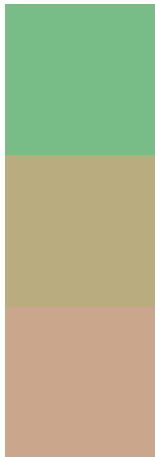


This preview shows how white text looks on a background with the XYZ color 30.3165, 42.1375,

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

30.3165, 42.1375, 29.4572

Protanopia

38.8474, 41.7599, 26.4351

Deuteranopia

42.4572, 41.5834, 30.5996



Tritanopia

36.0034, 41.9388, 58.4220

Trichromacy



Original Color

30.3165, 42.1375, 29.4572

Protanomaly

34.9148, 41.4560, 27.6343

Deuteranomaly

36.7368, 40.8777, 29.9987

Tritanomaly

33.6826, 41.9262, 46.3617

Monochromacy



Original Color

30.3165, 42.1375, 29.4572

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.4526, 37.9751, 35.3253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3165, 42.1375, 29.4572 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(120, 189, 135)` looks like.

```
.text, #text, p{  
    color:rgb(120, 189, 135)  
}
```

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(120, 189, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 189, 135) }
```

Border

The CSS property to change the border of an element to XYZ 30.3165, 42.1375, 29.4572 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(120, 189, 135) }
```


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

```
.border{ border-color:rgb(120, 189, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 189, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 189, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 189, 135);  
box-shadow:4px 4px 4px 4px rgb(120, 189,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3165, 42.1375, 29.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 189, 135) }
```

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

```
.background{ background-color: rgb(120,  
189, 135) }
```

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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