

Converting Colors

XYZ(32.1302, 42.4085, 28.8573)

Have a look what the booklet for
XYZ(32.1302, 42.4085, 28.8573)
contains.

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Color

**XYZ(32.1573, 42.4683,
28.6926)**

Conversions

Conversions Part 1

Format	Color
Hex	88BB85
RGB	136, 187, 133
RGB Percent	53%, 73%, 52%
CMY	0.4667, 0.2667, 0.4784
CMYK	0.27, 0.00, 0.29, 0.27
HSL	117°, 28%, 63%
HSV	117°, 29%, 73%
XYZ	32.1573, 42.4683, 28.6926
YIQ	165.5950, -13.0620, -27.6060

Conversions

Conversions Part 2

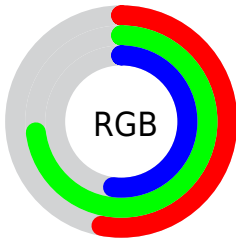
Format	Color
RYB	133, 187, 184
Decimal	8960901
CIELab	71.19, -27.43, 22.11
CIELCh	71, 35.227, 141.126
Yxy	42.4683, 0.3112, 0.4110
Android (android.graphics.Color)	4287150981 (0xFF88BB85)
YUV	165.5950, -16.0693, -25.9548
Hunter-Lab	65.1677, -25.9619, 19.5127

Details

The XYZ color **32.1573, 42.4683, 28.6926** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.1260, 30.5544, 50.9567**, and the grayscale version is **36.1305, 38.0121, 41.3952**.

A 20% lighter version of the original color is **62.1487, 78.5935, 58.3489**, and **13.6050, 19.2844, 11.1888** is the 20% darker color. If you saturate the color by 10%, you get **28.3430, 40.6394, 22.3600**, and if you desaturate by 10%, it is **36.6766, 44.6365, 36.2606**.

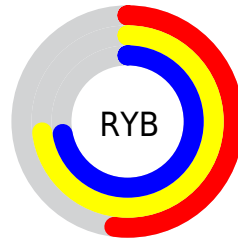
Distribution



Red (53%)

Green (73%)

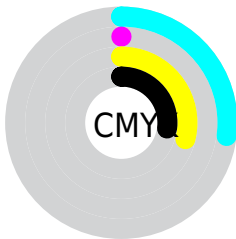
Blue (52%)



Red (52%)

Yellow (73%)

Blue (72%)

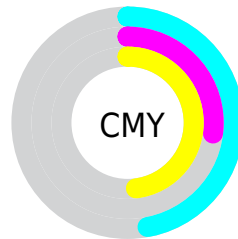


Cyan (27%)

Magenta (0%)

Yellow (29%)

Black (27%)



Cyan (47%)

Magenta (27%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1573, 42.4683, 28.6926 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 32.1573, 42.4683, 28.6926 by changing the saturation by 10% instead.


 32.1573, 42.4683,
28.6926


 32.1573, 42.4683,
28.6926


303.5678,
356.4206, 309.7772


 21.6378, 29.4682,
18.6048


 62.4211, 78.9079,
58.6247

 13.7061, 19.4353,
11.2112


 82.8962, 103.1161,
79.3061

 7.9969, 11.9852,
6.0931


 107.4205,
131.8292, 104.3557

 4.1447, 6.7336,
2.8321

136.3593,
165.4314, 134.1922

 1.7843, 3.2961,
1.0095

170.0781,
204.3073, 169.2341

 0.5082, 1.2882,
0.0000

208.9422,

 0.0000, 0.1320,

248.8412, 209.8998

0.0000

253.3170,
299.4175, 256.6080

■ 0.0000, 0.0000,
0.0000

■ 32.1573, 42.4683,
28.6926

■ 32.1573, 42.4683,
28.6926

■ 28.3430, 40.6394,
22.3600

■ 36.6766, 44.6365,
36.2606

■ 25.1949, 39.1276,
17.1947

■ 41.9303, 47.1542,
45.1218

■ 22.6759, 37.9164,
13.1262

■ 47.9505, 50.0379,
55.3337

■ 20.7435, 36.9857,
10.0754

■ 54.7660, 53.3014,
66.9494

■ 19.3501, 36.3130,
7.9524

■ 62.4044, 56.9578,
80.0192

■ 18.4410, 35.8722,
6.6518

■ 70.8919, 61.0195,
94.5911

■ 17.9395, 35.6277,
5.9916

■ 77.0611, 64.0223,
102.9037

■ 17.9012, 35.6093,
5.9298

Harmonies

Analogous

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



36.4105, 42.4683, 22.0637



32.1573, 42.4683, 28.6926



30.1568, 42.4683, 41.4055

Triad

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



32.1573, 42.4683, 28.6926



38.6392, 42.4683, 86.3686



51.9051, 42.4683, 35.4861

Complementary

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



32.1573, 42.4683, 28.6926



37.1260, 30.5544, 50.9567

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.



52.6501, 42.4683, 51.4385



32.1573, 42.4683, 28.6926



44.5956, 42.4683, 83.6735

Square

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



32.1573, 42.4683, 28.6926



33.6521, 42.4683, 76.4462



49.8621, 42.4683, 69.7897



47.9157, 42.4683, 25.2693

Rectangle

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



32.1573, 42.4683, 28.6926



30.2206, 42.4683, 52.8017



49.8621, 42.4683, 69.7897



52.5576, 42.4683, 40.2472

Sweetspot

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



32.1584, 42.4701, 28.6935



74.8239, 84.3200, 80.3530



41.7451, 46.2925, 28.9261



16.1568, 18.4150, 17.1528



90.7827, 95.5105, 104.0109



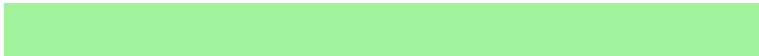
18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.1584, 42.4701, 28.6935



52.8872, 73.8027, 43.5636



33.4792, 42.9429, 38.1558



9.4565, 10.6742, 10.1386



12.3538, 24.5445, 4.0865



0.5009, 0.9702, 0.1609

Inverse Universe

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



37.1260, 30.5544, 50.9567



63.3059, 48.7943, 90.2831



35.5472, 30.0068, 38.8526



9.8762, 9.6686, 12.0179



18.6329, 8.8917, 33.1271



0.7460, 0.3566, 1.2984

Previews

White Background



This preview shows how the XYZ color 32.1573, 42.4683, 28.6926 looks on a white background.

Color Contrast Check

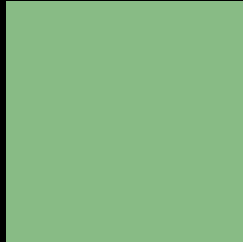
Large Text (above 18pt) WCAG AA × Fail

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 32.1573, 42.4683, 28.6926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

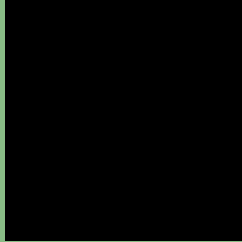
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.1573, 42.4683, 28.6926

Background



This preview shows how black text looks on a background with the XYZ color 32.1573, 42.4683, 28.6926.



This preview shows how white text looks on a background with the XYZ color 32.1573, 42.4683,

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

32.1573, 42.4683, 28.6926

Protanopia

39.2679, 41.9842, 26.1128

Deuteranopia

42.9627, 42.1401, 29.5364



Tritanopia

37.8903, 42.3383, 57.2140

Trichromacy



Original Color

32.1573, 42.4683, 28.6926

Protanomaly

36.0313, 41.7506, 26.9285

Deuteranomaly

38.1704, 41.6334, 29.3168

Tritanomaly

35.5020, 42.2741, 45.3183

Monochromacy



Original Color

32.1573, 42.4683, 28.6926

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.4864, 39.5738, 36.3927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1573, 42.4683, 28.6926 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, 187, 133)` looks like.

```
.text, #text, p{  
    color:rgb(136, 187, 133)  
}
```

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, 187, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 187, 133) }
```

Border

The CSS property to change the border of an element to XYZ 32.1573, 42.4683, 28.6926 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, 187, 133) }
```


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

```
.border{ border-color:rgb(136, 187, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 187, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 187, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 187, 133);  
box-shadow:4px 4px 4px 4px rgb(136, 187,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1573, 42.4683, 28.6926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 187, 133) }
```

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

```
.background{ background-color: rgb(136,  
187, 133) }
```

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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