

Converting Colors

XYZ(31.9496, 42.5692, 27.5461)

Have a look what the booklet for
XYZ(31.9496, 42.5692, 27.5461)
contains.

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Color

**XYZ(32.0042, 42.7290,
27.6798)**

Conversions

Conversions Part 1

Format	Color
Hex	87BC82
RGB	135, 188, 130
RGB Percent	53%, 74%, 51%
CMY	0.4706, 0.2627, 0.4902
CMYK	0.28, 0.00, 0.31, 0.26
HSL	115°, 30%, 62%
HSV	115°, 31%, 74%
XYZ	32.0042, 42.7290, 27.6798
YIQ	165.5410, -12.9700, -29.2740

Conversions

Conversions Part 2

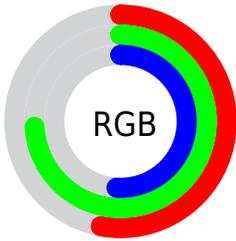
Format	Color
RYB	130, 188, 183
Decimal	8895618
CIELab	71.37, -28.75, 23.94
CIElCh	71, 37.412, 140.210
Yxy	42.7290, 0.3125, 0.4172
Android (android.graphics.Color)	4287085698 (0xFF87BC82)
YUV	165.5410, -17.5217, -26.7845
Hunter-Lab	65.3674, -26.9985, 20.6509

Details

The XYZ color **32.0042, 42.7290, 27.6798** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.5898, 29.6645, 51.3764**, and the grayscale version is **36.1113, 37.9919, 41.3731**.

A 20% lighter version of the original color is **62.1331, 79.0674, 56.7865**, and **13.5403, 19.4684, 10.6335** is the 20% darker color. If you saturate the color by 10%, you get **28.3114, 40.9593, 21.5109**, and if you desaturate by 10%, it is **36.3759, 44.8246, 35.0858**.

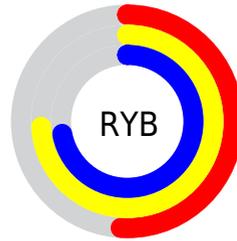
Distribution



Red (53%)

Green (74%)

Blue (51%)



Red (51%)

Yellow (74%)

Blue (72%)

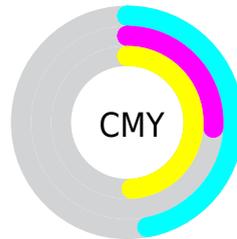


Cyan (28%)

Magenta (0%)

Yellow (31%)

Black (26%)



Cyan (47%)

Magenta (26%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0042, 42.7290, 27.6798 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 32.0042, 42.7290, 27.6798 by changing the saturation by 10% instead.

■ 32.0042, 42.7290,
27.6798

■ 32.0042, 42.7290,
27.6798

302.8833,
357.4961, 304.7974

■ 21.5203, 29.6725,
17.8475

■ 62.1828, 79.3018,
56.9898

■ 13.6195, 19.5902,
10.6722

■ 82.6082, 103.5868,
77.3045

■ 7.9364, 12.0975,
5.7355

■ 107.0782,
132.3836, 101.9504

■ 4.1057, 6.8101,
2.6188

135.9580,
166.0764, 131.3461

■ 1.7621, 3.3436,
0.9021

169.6131,
205.0496, 165.9101

■ 0.4947, 1.3137,
0.0000

208.4087,

■ 0.0000, 0.1517,

249.6878, 206.0610

0.0000

252.7104,
300.3751, 252.2172

■ 0.0000, 0.0000,
0.0000

■ 32.0042, 42.7290,
27.6798

■ 32.0042, 42.7290,
27.6798

■ 28.3114, 40.9593,
21.5109

■ 36.3759, 44.8246,
35.0858

■ 25.2602, 39.4939,
16.5091

■ 41.4547, 47.2554,
43.7883

■ 22.8148, 38.3172,
12.6017

■ 47.2712, 50.0374,
53.8460

■ 20.9346, 37.4100,
9.7069

■ 53.8534, 53.1836,
65.3134

■ 19.5740, 36.7509,
7.7310

■ 61.2276, 56.7066,
78.2421

 18.6800, 36.3150,
6.5635

 69.4190, 60.6184,
92.6807

 18.2012, 36.0800,
6.0048

 77.2740, 64.4481,
102.9747

Harmonies

Analogous

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



36.5732, 42.7290, 20.9875



32.0042, 42.7290, 27.6798



29.8149, 42.7290, 40.8758

Triad

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



32.0042, 42.7290, 27.6798



38.5891, 42.7290, 89.7254



53.0628, 42.7290, 35.5477

Complementary

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



32.0042, 42.7290, 27.6798



36.5898, 29.6645, 51.3764

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.



53.7456, 42.7290, 52.6712



32.0042, 42.7290, 27.6798



44.9391, 42.7290, 87.2246

Square

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



32.0042, 42.7290, 27.6798



33.3487, 42.7290, 78.5662



50.6409, 42.7290, 72.4213



48.8615, 42.7290, 24.6489

Rectangle

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



32.0042, 42.7290, 27.6798



29.8274, 42.7290, 52.9434



50.6409, 42.7290, 72.4213



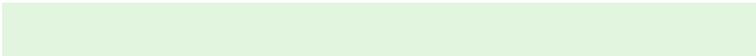
53.7271, 42.7290, 40.6468

Sweetspot

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



32.0053, 42.7308, 27.6807



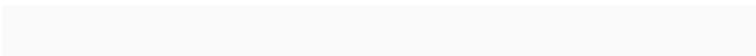
76.8276, 86.4532, 82.2860



41.5390, 45.8429, 27.7790



16.2081, 18.4414, 17.1552



90.7827, 95.5105, 104.0109



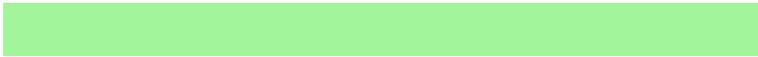
18.6292, 19.5994, 21.3438

Same Dimension

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



32.0053, 42.7308, 27.6807



53.3500, 75.2091, 42.3747



32.9567, 43.0206, 36.7916



9.4830, 10.6879, 10.1398



12.4193, 24.5783, 4.0895



0.5126, 0.9762, 0.1614

Inverse Universe

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



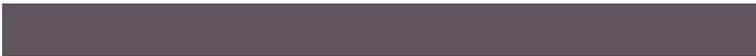
36.5898, 29.6645, 51.3764



62.9661, 47.7688, 92.1278



35.4964, 29.3670, 39.3009



9.8467, 9.6533, 12.0165



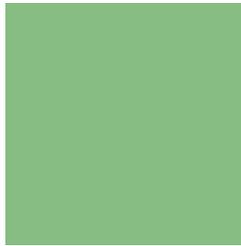
17.7645, 8.4440, 33.0865



0.7199, 0.3432, 1.2972

Previews

White Background



This preview shows how the XYZ color 32.0042, 42.7290, 27.6798 looks on a white background.

Color Contrast Check

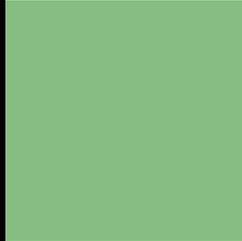
Large Text (above 18pt) WCAG AA × Fail

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 32.0042, 42.7290, 27.6798 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 32.0042, 42.7290, 27.6798

Background



This preview shows how black text looks on a background with the XYZ color 32.0042, 42.7290, 27.6798.



This preview shows how white text looks on a background with the XYZ color 32.0042, 42.7290,

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

32.0042, 42.7290, 27.6798

Protanopia

39.5132, 42.4187, 25.1738

Deuteranopia

43.0937, 42.2241, 28.8004



Tritanopia

37.9129, 42.6486, 57.2727

Trichromacy



Original Color

32.0042, 42.7290, 27.6798

Protanomaly

36.2482, 42.1816, 25.9700

Deuteranomaly

38.1540, 41.9371, 28.2740

Tritanomaly

35.4395, 42.5580, 44.8747

Monochromacy



Original Color

32.0042, 42.7290, 27.6798

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.4034, 39.5406, 35.9558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0042, 42.7290, 27.6798 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(135, 188, 130)` looks like.

```
.text, #text, p{  
    color:rgb(135, 188, 130)  
}
```

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(135, 188, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 188, 130) }
```

Border

The CSS property to change the border of an element to XYZ 32.0042, 42.7290, 27.6798 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(135, 188, 130) }
```


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

```
.border{ border-color:rgb(135, 188, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 188, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 188, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 188, 130);  
box-shadow:4px 4px 4px 4px rgb(135, 188,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0042, 42.7290, 27.6798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 188, 130) }
```

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

```
.background{ background-color: rgb(135,  
188, 130) }
```

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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