

Converting Colors

XYZ(32.5901, 42.7958, 23.9955)

Have a look what the booklet for
XYZ(32.5901, 42.7958, 23.9955)
contains.

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Color

**XYZ(32.6017, 42.8018,
23.9961)**

Conversions

Conversions Part 1

Format	Color
Hex	90BB77
RGB	144, 187, 119
RGB Percent	56%, 73%, 47%
CMY	0.4353, 0.2667, 0.5333
CMYK	0.23, 0.00, 0.36, 0.27
HSL	98°, 33%, 60%
HSV	98°, 36%, 73%
XYZ	32.6017, 42.8018, 23.9961
YIQ	166.3910, -3.8000, -30.2640

Conversions

Conversions Part 2

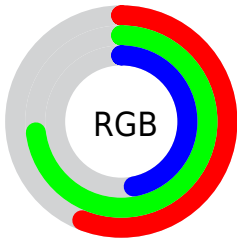
Format	Color
RYB	119, 187, 162
Decimal	9485175
CIELab	71.42, -26.81, 29.92
CIELCh	71, 40.173, 131.863
Yxy	42.8018, 0.3280, 0.4306
Android (android.graphics.Color)	4287675255 (0xFF90BB77)
YUV	166.3910, -23.3638, -19.6369
Hunter-Lab	65.4231, -25.5401, 24.0496

Details

The XYZ color **32.6017, 42.8018, 23.9961** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.4686, 24.4642, 50.1321**, and the grayscale version is **36.5467, 38.4500, 41.8720**.

A 20% lighter version of the original color is **63.0502, 79.2219, 50.9980**, and **14.0129, 19.7552, 8.7048** is the 20% darker color. If you saturate the color by 10%, you get **29.6291, 41.3879, 18.5604**, and if you desaturate by 10%, it is **36.0139, 44.4193, 30.6077**.

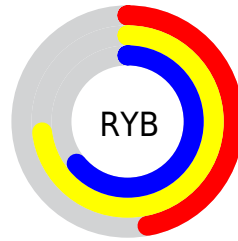
Distribution



Red (56%)

Green (73%)

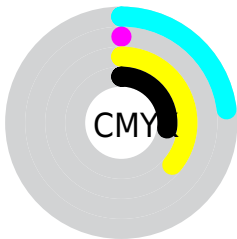
Blue (47%)



Red (47%)

Yellow (73%)

Blue (64%)

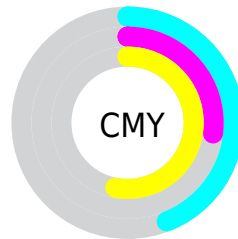


Cyan (23%)

Magenta (0%)

Yellow (36%)

Black (27%)



Cyan (44%)


Magenta (27%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6017, 42.8018, 23.9961 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 32.6017, 42.8018, 23.9961 by changing the saturation by 10% instead.


 32.6017, 42.8018,
23.9961


 32.6017, 42.8018,
23.9961


305.5480,
357.7960, 286.0867

 21.9793, 29.7296,
15.1186


 63.1120, 79.4117,
50.9676

 13.9582, 19.6335,
8.7551


 83.7306, 103.7182,
69.8986

 8.1731, 12.1289,
4.4872


 108.4120,
132.5383, 93.0179

 4.2586, 6.8315,
1.8962

137.5215,
166.2563, 120.7439

 1.8495, 3.3570,
0.4903

171.4245,
205.2567, 153.4953

 0.5472, 1.3208,
0.0000

210.4864,

 0.0000, 0.1572,

249.9239, 191.6905

0.0000

255.0724,
300.6422, 235.7481

■ 0.0000, 0.0000,
0.0000

■ 32.6017, 42.8018,
23.9961

■ 32.6017, 42.8018,
23.9961

■ 29.6291, 41.3879,
18.5604

■ 36.0139, 44.4193,
30.6077

■ 27.0732, 40.1635,
14.2288

■ 39.8806, 46.2430,
38.4556

■ 24.9138, 39.1212,
10.9262


■ 44.2203, 48.2823,
47.5995


■ 23.1271, 38.2505,
8.5668


■ 49.0492, 50.5444,
58.0943


■ 21.6867, 37.5400,
7.0512

■ 54.3826, 53.0361,
69.9920


 20.5595, 36.9755,
6.2486

 60.2353, 55.7638,
83.3416

 20.2074, 36.7983,
6.0377

 66.6213, 58.7339,
98.1898

 71.2854, 61.0448,
102.6334

 75.4010, 63.1665,
102.8260

Harmonies

Analogous

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



38.0652, 42.8018, 18.8210



32.6017, 42.8018, 23.9961



29.5273, 42.8018, 35.9399

Triad

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



32.6017, 42.8018, 23.9961



36.7645, 42.8018, 91.7432



54.7902, 42.8018, 39.3554

Complementary

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



32.6017, 42.8018, 23.9961



30.4686, 24.4642, 50.1321

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.



54.3419, 42.8018, 59.1927



32.6017, 42.8018, 23.9961



43.4157, 42.8018, 93.4111

Square

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



32.6017, 42.8018, 23.9961



31.7407, 42.8018, 76.1577



49.9975, 42.8018, 80.2289



51.1617, 42.8018, 25.8967

Rectangle

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



32.6017, 42.8018, 23.9961



29.0137, 42.8018, 47.8260



49.9975, 42.8018, 80.2289



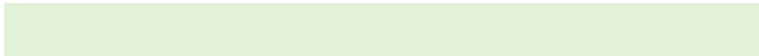
55.1214, 42.8018, 45.4028

Sweetspot

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



32.6028, 42.8037, 23.9970



75.3456, 84.6622, 77.0669



36.5582, 37.3649, 22.7388



16.3608, 18.5352, 16.4845



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.



32.6028, 42.8037, 23.9970



53.8906, 74.5170, 34.7090



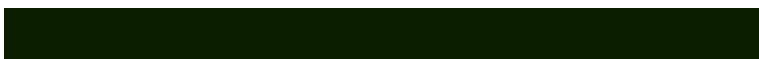
29.2058, 40.9951, 26.4302



9.7311, 10.8158, 10.1514



13.9958, 25.3910, 4.1633



0.6209, 1.0321, 0.1665

Inverse Universe

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



30.4686, 24.4642, 50.1321



49.4675, 36.6443, 88.6672



35.2354, 27.0170, 46.0429



9.5807, 9.5162, 12.0041



11.4335, 5.1803, 32.7902



0.5175, 0.2388, 1.2877

Previews

White Background



This preview shows how the XYZ color 32.6017, 42.8018, 23.9961 looks on a white background.

Color Contrast Check

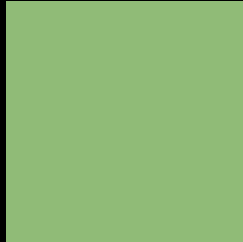
Large Text (above 18pt) WCAG AA × Fail

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 32.6017, 42.8018, 23.9961 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 32.6017, 42.8018, 23.9961

Background



This preview shows how black text looks on a background with the XYZ color 32.6017, 42.8018, 23.9961.



This preview shows how white text looks on a background with the XYZ color 32.6017, 42.8018,

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

32.6017, 42.8018, 23.9961

Protanopia

39.1596, 42.3058, 22.0215

Deuteranopia

43.1260, 42.3329, 24.6370



Tritanopia

38.9524, 42.6151, 56.0417

Trichromacy



Original Color

32.6017, 42.8018, 23.9961

Protanomaly

36.5061, 42.3854, 22.7801

Deuteranomaly

38.4161, 41.8676, 24.4689

Tritanomaly

36.0779, 42.3437, 41.8689

Monochromacy



Original Color

32.6017, 42.8018, 23.9961

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.6614, 39.7111, 34.2719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6017, 42.8018, 23.9961 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(144, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(144, 187, 119)  
}
```

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(144, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 187, 119) }
```

Border

The CSS property to change the border of an element to XYZ 32.6017, 42.8018, 23.9961 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(144, 187, 119) }
```


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

```
.border{ border-color:rgb(144, 187, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 187, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 187, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 187, 119);  
box-shadow:4px 4px 4px 4px rgb(144, 187,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6017, 42.8018, 23.9961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 187, 119) }
```

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

```
.background{ background-color: rgb(144,  
187, 119) }
```

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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