

Converting Colors

XYZ(30.3115, 42.4597, 23.2495)

Have a look what the booklet for
XYZ(30.3115, 42.4597, 23.2495)
contains.

XYZ(30.3182, 42.5999, 23.1477)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.3182, 42.5999,
23.1477)**

Conversions

Conversions Part 1

Format	Color
Hex	7FBE74
RGB	127, 190, 116
RGB Percent	50%, 75%, 45%
CMY	0.5020, 0.2549, 0.5451
CMYK	0.33, 0.00, 0.39, 0.25
HSL	111°, 36%, 60%
HSV	111°, 39%, 75%
XYZ	30.3182, 42.5999, 23.1477
YIQ	162.7270, -13.7940, -36.3700

Conversions

Conversions Part 2

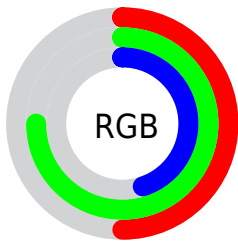
Format	Color
RYB	116, 190, 179
Decimal	8371828
CIELab	71.28, -34.59, 31.12
CIELCh	71, 46.527, 138.018
Yxy	42.5999, 0.3156, 0.4434
Android (android.graphics.Color)	4286561908 (0xFF7FBE74)
YUV	162.7270, -23.0364, -31.3326
Hunter-Lab	65.2686, -31.3042, 24.6606

Details

The XYZ color **30.3182, 42.5999, 23.1477** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.1322, 25.7936, 51.8972**, and the grayscale version is **34.7947, 36.6067, 39.8647**.

A 20% lighter version of the original color is **59.7136, 79.3312, 49.7013**, and **12.6116, 19.4575, 8.2452** is the 20% darker color. If you saturate the color by 10%, you get **27.1055, 41.0598, 17.8064**, and if you desaturate by 10%, it is **34.1460, 44.4334, 29.6995**.

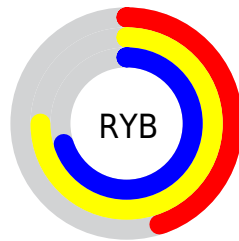
Distribution



Red (50%)

Green (75%)

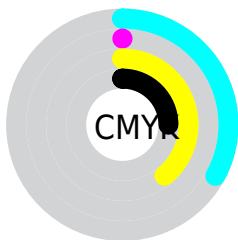
Blue (45%)



Red (45%)

Yellow (75%)

Blue (70%)

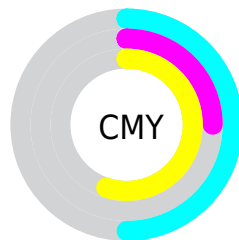


Cyan (33%)

Magenta (0%)

Yellow (39%)

Black (25%)



Cyan (50%)

Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3182, 42.5999, 23.1477 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 30.3182, 42.5999, 23.1477 by changing the saturation by 10% instead.

■ 30.3182, 42.5999,
23.1477

■ 30.3182, 42.5999,
23.1477

295.2681,
356.9638, 281.6292

■ 20.2295, 29.5713,
14.4963

■ 59.5482, 79.1067,
49.5620

■ 12.6712, 19.5134,
8.3240

■ 79.4202, 103.3538,
68.1620

■ 7.2780, 12.0419,
4.2122

■ 103.2841,
132.1091, 90.9152

■ 3.6844, 6.7722,
1.7425

131.5051,
165.7571, 118.2402

■ 1.5252, 3.3200,
0.3896

164.4487,
204.6822, 150.5556

■ 0.3429, 1.3010,
0.0000

202.4801,

■ 0.0000, 0.1420,

249.2687, 188.2798

0.0000

245.9648,
299.9011, 231.8315

■ 0.0000, 0.0000,
0.0000

■ 30.3182, 42.5999,
23.1477

■ 30.3182, 42.5999,
23.1477

■ 27.1055, 41.0598,
17.8064

■ 34.1460, 44.4334,
29.6995

■ 24.4723, 39.7928,
13.5989

■ 38.6156, 46.5690,
37.5266

■ 22.3843, 38.7841,
10.4441


■ 43.7559, 49.0213,
46.6928


■ 20.8024, 38.0155,
8.2489


■ 49.5932, 51.8028,
57.2565


■ 19.6817, 37.4664,
6.9039


■ 56.1524, 54.9250,
69.2729

 18.9590, 37.1082,
6.2208

 63.4569, 58.3990,
82.7939

 18.8998, 37.0789,
6.1608

 71.5295, 62.2352,
97.8693

 77.7043, 65.3087,
103.1181

Harmonies

Analogous

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



36.0188, 42.5999, 16.3215



30.3182, 42.5999, 23.1477



27.5011, 42.5999, 38.0136

Triad

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



30.3182, 42.5999, 23.1477



37.4507, 42.5999, 102.4805



56.5213, 42.5999, 34.3085

Complementary

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



30.3182, 42.5999, 23.1477



34.1322, 25.7936, 51.8972

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.



57.0342, 42.5999, 55.9010



30.3182, 42.5999, 23.1477



45.3166, 42.5999, 100.5042

Square

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



30.3182, 42.5999, 23.1477



31.2500, 42.5999, 86.2783



52.7148, 42.5999, 81.5231



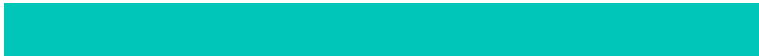
51.3923, 42.5999, 21.1901

Rectangle

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



30.3182, 42.5999, 23.1477



27.3619, 42.5999, 52.6477



52.7148, 42.5999, 81.5231



57.2612, 42.5999, 40.6380

Sweetspot

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



30.3193, 42.6017, 23.1486



76.1279, 87.3225, 78.9447



40.4896, 44.4103, 22.9617



16.4427, 19.0444, 16.8456



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.3193, 42.6017, 23.1486



49.7514, 74.7078, 33.3046



30.4923, 42.4919, 32.1476



9.5372, 10.7159, 10.1423



12.6088, 24.6759, 4.0984



0.5365, 0.9886, 0.1625

Inverse Universe

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



34.1322, 25.7936, 51.8972



57.6281, 39.8303, 92.9298



34.1921, 26.1230, 38.4111



9.7869, 9.6225, 12.0137



16.1082, 7.5901, 33.0089



0.6694, 0.3171, 1.2948

Previews

White Background



This preview shows how the XYZ color 30.3182, 42.5999, 23.1477 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 30.3182, 42.5999, 23.1477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

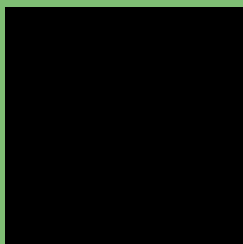
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3182, 42.5999, 23.1477

Background



This preview shows how black text looks on a background with the XYZ color 30.3182, 42.5999, 23.1477.



This preview shows how white text looks on a background with the XYZ color 30.3182, 42.5999,

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

30.3182, 42.5999, 23.1477

Protanopia

38.9368, 42.2167, 20.8483

Deuteranopia

42.8195, 41.9183, 23.9234



Tritanopia

37.3587, 42.6506, 57.8931

Trichromacy



Original Color

30.3182, 42.5999, 23.1477

Protanomaly

34.9718, 41.9194, 21.5773

Deuteranomaly

37.0198, 41.4568, 23.5036

Tritanomaly

34.1768, 42.2684, 42.4337

Monochromacy



Original Color

30.3182, 42.5999, 23.1477

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.7096, 38.4465, 32.8911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3182, 42.5999, 23.1477 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(127, 190, 116)` looks like.

```
.text, #text, p{  
    color:rgb(127, 190, 116)  
}
```

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(127, 190, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 190, 116) }
```

Border

The CSS property to change the border of an element to XYZ 30.3182, 42.5999, 23.1477 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(127, 190, 116) }
```


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

```
.border{ border-color:rgb(127, 190, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 190, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 190, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 190, 116); box-shadow:4px 4px 4px 4px rgb(127, 190, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3182, 42.5999, 23.1477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 190, 116) }
```

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

```
.background{ background-color: rgb(127,  
190, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor