

Converting Colors

XYZ(29.8318, 42.2203, 24.4161)

Have a look what the booklet for
XYZ(29.8318, 42.2203, 24.4161)
contains.

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Color

**XYZ(29.8297, 42.3206,
24.3658)**

Conversions

Conversions Part 1

Format	Color
Hex	7ABE78
RGB	122, 190, 120
RGB Percent	48%, 75%, 47%
CMY	0.5216, 0.2549, 0.5294
CMYK	0.36, 0.00, 0.37, 0.25
HSL	118°, 35%, 61%
HSV	118°, 37%, 75%
XYZ	29.8297, 42.3206, 24.3658
YIQ	161.6880, -18.0580, -36.1860

Conversions

Conversions Part 2

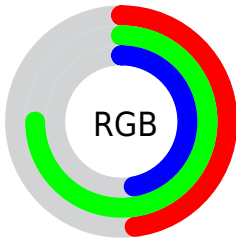
Format	Color
RYB	120, 190, 188
Decimal	8044152
CIELab	71.09, -35.61, 28.73
CIELCh	71, 45.755, 141.097
Yxy	42.3206, 0.3091, 0.4385
Android (android.graphics.Color)	4286234232 (0xFF7ABE78)
YUV	161.6880, -20.5522, -34.8064
Hunter-Lab	65.0543, -31.9964, 23.3312

Details

The XYZ color **29.8297, 42.3206, 24.3658** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **36.7517, 27.8433, 52.1547**, and the grayscale version is **34.2967, 36.0828, 39.2942**.

A 20% lighter version of the original color is **58.9351, 78.8858, 51.6554**, and **12.3639, 19.3157, 8.8710** is the 20% darker color. If you saturate the color by 10%, you get **26.4194, 40.6840, 18.7727**, and if you desaturate by 10%, it is **33.9674, 44.3082, 31.1891**.

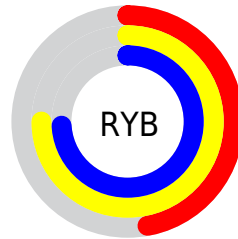
Distribution



Red (48%)

Green (75%)

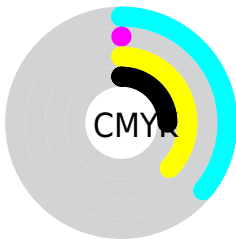
Blue (47%)



Red (47%)

Yellow (75%)

Blue (74%)

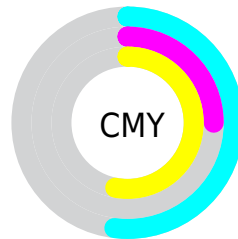


Cyan (36%)

Magenta (0%)

Yellow (37%)

Black (25%)



Cyan (52%)

Magenta (25%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8297, 42.3206, 24.3658 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 29.8297, 42.3206, 24.3658 by changing the saturation by 10% instead.

■ 29.8297, 42.3206,
24.3658

■ 29.8297, 42.3206,
24.3658

293.0339,
355.8102, 288.0106

■ 19.8568, 29.3524,
15.3905

■ 58.7812, 78.6846,
51.5778

■ 12.3986, 19.3476,
8.9442

■ 78.4906, 102.8492,
70.6515

■ 7.0899, 11.9217,
4.6085

■ 102.1761,
131.5148, 93.9285

■ 3.5652, 6.6904,
1.9648

130.2032,
165.0656, 121.8272

■ 1.4592, 3.2692,
0.5335

162.9371,
203.8862, 154.7662

■ 0.2978, 1.2739,
0.0000

200.7433,

■ 0.0000, 0.1208,

248.3609, 193.1641

0.0000

243.9871,
298.8741, 237.4394

■ 0.0000, 0.0000,
0.0000

■ 29.8297, 42.3206,
24.3658

■ 29.8297, 42.3206,
24.3658

■ 26.4194, 40.6840,
18.7727

■ 33.9674, 44.3082,
31.1891

■ 23.6914, 39.3731,
14.3340

■ 38.8677, 46.6598,
39.3067

■ 21.6008, 38.3677,
10.9700


■ 44.5673, 49.3942,
48.7817


■ 20.0959, 37.6430,
8.5896


■ 51.0999, 52.5276,
59.6723


■ 19.1168, 37.1705,
7.0868


■ 58.4969, 56.0750,
72.0331

 18.5886, 36.9147,
6.3178

 66.7883, 60.0506,
85.9160

 18.4822, 36.8636,
6.1413

 76.0026, 64.4683,
101.3704

 77.7043, 65.3086,
103.1181

Harmonies

Analogous

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



35.1591, 42.3206, 16.8939



29.8297, 42.3206, 24.3658



27.3730, 42.3206, 39.8637

Triad

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



29.8297, 42.3206, 24.3658



37.9909, 42.3206, 101.4808



55.5663, 42.3206, 32.5198

Complementary

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



29.8297, 42.3206, 24.3658



36.7517, 27.8433, 52.1547

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.



56.5755, 42.3206, 52.9110



29.8297, 42.3206, 24.3658



45.7544, 42.3206, 97.6106

Square

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



29.8297, 42.3206, 24.3658



31.6767, 42.3206, 87.2485



52.7906, 42.3206, 77.9182



50.1862, 42.3206, 20.4580

Rectangle

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



29.8297, 42.3206, 24.3658



27.4487, 42.3206, 54.6725



52.7906, 42.3206, 77.9182



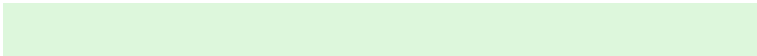
56.4527, 42.3206, 38.4384

Sweetspot

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



29.8308, 42.3224, 24.3667



76.0989, 87.2700, 80.6424



42.5394, 48.1296, 24.8178



16.3995, 19.0144, 17.1911



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.



29.8308, 42.3224, 24.3667



49.0837, 74.3033, 35.9961



31.8828, 43.1108, 36.6349



9.4333, 10.6623, 10.1375



12.3004, 24.5170, 4.0840



0.4905, 0.9648, 0.1604

Inverse Universe

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



36.7517, 27.8433, 52.1547



63.3976, 44.3389, 93.4960



34.0675, 26.8269, 35.4316



9.9023, 9.6820, 12.0191



19.4278, 9.3015, 33.1643



0.7695, 0.3688, 1.2995

Previews

White Background



This preview shows how the XYZ color 29.8297, 42.3206, 24.3658 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 29.8297, 42.3206, 24.3658 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 29.8297, 42.3206, 24.3658

Background



This preview shows how black text looks on a background with the XYZ color 29.8297, 42.3206, 24.3658.



This preview shows how white text looks on a background with the XYZ color 29.8297, 42.3206,

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

29.8297, 42.3206, 24.3658

Protanopia

38.6632, 41.7708, 21.6476

Deuteranopia

42.5147, 41.7322, 25.2164



Tritanopia

36.5275, 42.2221, 57.8542

Trichromacy



Original Color

29.8297, 42.3206, 24.3658



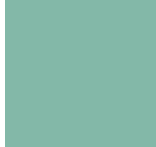
Protanomaly

34.5823, 41.3937, 22.6901



Deuteranomaly

36.5843, 41.2040, 24.7639



Tritanomaly

33.5684, 41.9334, 43.3705

Monochromacy



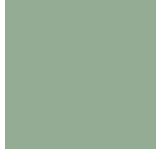
Original Color

29.8297, 42.3206, 24.3658



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.0516, 37.8147, 33.2134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8297, 42.3206, 24.3658 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(122, 190, 120)` looks like.

```
.text, #text, p{  
    color:rgb(122, 190, 120)  
}
```

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(122, 190, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 190, 120) }
```

Border

The CSS property to change the border of an element to XYZ 29.8297, 42.3206, 24.3658 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(122, 190, 120) }
```


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

```
.border{ border-color:rgb(122, 190, 120) }
```

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

Here you see how a box with a 4 pixel rgb(122, 190, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 190, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 190, 120);  
box-shadow:4px 4px 4px 4px rgb(122, 190,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8297, 42.3206, 24.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 190, 120) }
```

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

```
.background{ background-color: rgb(122,  
190, 120) }
```

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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