

Converting Colors

XYZ(42.5456, 47.8478, 24.8574)

Have a look what the booklet for
XYZ(42.5456, 47.8478, 24.8574)
contains.

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Color

**XYZ(42.6463, 47.9731,
24.7813)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBB78
RGB	191, 187, 120
RGB Percent	75%, 73%, 47%
CMY	0.2510, 0.2666, 0.5294
CMYK	0.00, 0.02, 0.37, 0.25
HSL	57°, 36%, 61%
HSV	57°, 37%, 75%
XYZ	42.6463, 47.9731, 24.7813
YIQ	180.5580, 23.8910, -19.9890

Conversions

Conversions Part 2

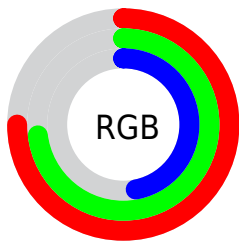
Format	Color
RYB	124, 191, 120
Decimal	12565368
CIELab	74.81, -8.63, 34.46
CIELCh	75, 35.520, 104.065
Yxy	47.9731, 0.3695, 0.4157
Android (android.graphics.Color)	4290755448 (0xFFBFBB78)
YUV	180.5580, -29.8551, 9.1576
Hunter-Lab	69.2626, -11.3038, 27.2706

Details

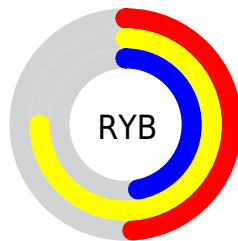
The XYZ color **42.6463, 47.9731, 24.7813** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.3571, 22.1692, 52.2854**, and the grayscale version is **43.8303, 46.1129, 50.2169**.

A 20% lighter version of the original color is **78.3048, 87.0748, 52.2152**, and **19.7839, 22.7266, 9.1383** is the 20% darker color. If you saturate the color by 10%, you get **41.3742, 47.1025, 19.1978**, and if you desaturate by 10%, it is **44.1537, 48.9439, 31.5851**.

Distribution



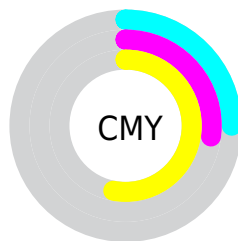
- Red (75%)
- Green (73%)
- Blue (47%)



- Red (49%)
- Yellow (75%)
- Blue (47%)



- Cyan (0%)
- Magenta (2%)
- Yellow (37%)
- Black (25%)





- Cyan (25%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6463, 47.9731, 24.7813 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 42.6463, 47.9731, 24.7813 by changing the saturation by 10% instead.


 42.6463, 47.9731,
24.7813


 42.6463, 47.9731,
24.7813


348.1014,
378.6855, 290.1598


 29.8010, 33.8056,
15.6967


 78.4359, 87.1644,
52.2619

 19.8349, 22.7443,
9.1577


 102.1109,
112.9569, 71.4950

 12.3827, 14.4048,
4.7460

 130.1265,
143.3932, 94.9479

 7.0789, 8.4027,
2.0429

162.8481,
178.8577, 123.0393

 3.5583, 4.3537,
0.5815

200.6411,
219.7348, 156.1876

 1.4554, 1.8733,
0.0000

243.8707,

 0.2952, 0.5323,

266.4089, 194.8114

0.0000

292.9023,
319.2643, 239.3293

■ 0.0000, 0.0000,
0.0000

■ 42.6463, 47.9731,
24.7813

■ 42.6463, 47.9731,
24.7813

■ 41.3742, 47.1025,
19.1978

■ 44.1537, 48.9439,
31.5851

■ 40.3201, 46.3202,
14.7588

■ 45.9056, 50.0136,
39.6730

■ 39.4698, 45.6221,
11.3847


■ 47.9148, 51.1889,
49.1079


■ 38.8060, 45.0013,
8.9847


■ 50.1925, 52.4744,
59.9478


■ 38.3086, 44.4498,
7.4524


■ 52.7489, 53.8741,
72.2471

 37.9494, 43.9562,
6.6394

 55.5939, 55.3920,
86.0575

 37.8583, 43.8213,
6.4630

 58.7369, 57.0318,
101.4282

 59.1861, 57.5969,
102.6056

 59.4287, 58.0822,
102.6865

Harmonies

Analogous

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



49.0908, 47.9731, 24.9645



42.6463, 47.9731, 24.7813



37.4971, 47.9731, 30.6270

Triad

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



42.6463, 47.9731, 24.7813



37.2462, 47.9731, 81.0660



58.6055, 47.9731, 62.6159

Complementary

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



42.6463, 47.9731, 24.7813



24.3571, 22.1692, 52.2854

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.



54.7866, 47.9731, 82.1711



42.6463, 47.9731, 24.7813



42.2730, 47.9731, 94.4200

Square

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



42.6463, 47.9731, 24.7813



34.5844, 47.9731, 61.3593



48.6807, 47.9731, 94.8664



58.7295, 47.9731, 44.0624

Rectangle

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



42.6463, 47.9731, 24.7813



35.3198, 47.9731, 38.1776



48.6807, 47.9731, 94.8664



57.6962, 47.9731, 69.3770

Sweetspot

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



42.6475, 47.9753, 24.7823



84.3191, 90.8142, 80.8932



31.8873, 25.9836, 22.6481



18.4069, 19.8784, 17.2521



92.9021, 97.7402, 106.4391



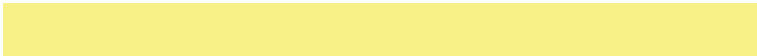
19.4759, 20.4902, 22.3138

Same Dimension

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



42.6475, 47.9753, 24.7823



74.4095, 84.5790, 35.7120



36.5651, 46.1153, 24.7439



10.2750, 11.0260, 10.1633



24.9001, 28.8390, 4.2541



0.9895, 1.1579, 0.1713

Inverse Universe

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



24.3571, 22.1692, 52.2854



36.7213, 31.4117, 92.4068



28.8401, 23.7521, 52.3546



9.0584, 9.3092, 11.9916



6.2767, 2.6652, 32.5765



0.2608, 0.1342, 1.2810

Previews

White Background



This preview shows how the XYZ color 42.6463, 47.9731, 24.7813 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 42.6463, 47.9731, 24.7813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

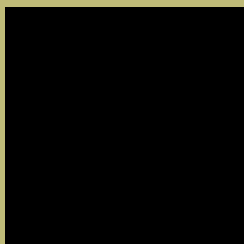
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

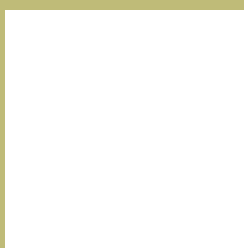
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6463, 47.9731, 24.7813

Background



This preview shows how black text looks on a background with the XYZ color 42.6463, 47.9731, 24.7813.



This preview shows how white text looks on a background with the XYZ color 42.6463, 47.9731,

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

42.6463, 47.9731, 24.7813

Protanopia

44.2897, 47.8922, 24.3626

Deuteranopia

48.8570, 47.8280, 25.0690



Tritanopia

48.9880, 47.7887, 56.5114

Trichromacy



Original Color

42.6463, 47.9731, 24.7813

Protanomaly

43.7047, 47.9001, 24.3949

Deuteranomaly

46.3508, 47.7246, 24.8580

Tritanomaly

46.1718, 47.5367, 42.8184

Monochromacy



Original Color

42.6463, 47.9731, 24.7813

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.1991, 46.6845, 39.5351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6463, 47.9731, 24.7813 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(191, 187, 120)` looks like.

```
.text, #text, p{  
    color:rgb(191, 187, 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(191, 187, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 187, 120) }
```

Border

The CSS property to change the border of an element to XYZ 42.6463, 47.9731, 24.7813 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(191, 187, 120) }
```


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

```
.border{ border-color:rgb(191, 187, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 187, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 187, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 187, 120);  
box-shadow:4px 4px 4px 4px rgb(191, 187,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6463, 47.9731, 24.7813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 187, 120) }
```

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

```
.background{ background-color: rgb(191,  
187, 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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