

Converting Colors

XYZ(23.9490, 16.6549, 4.6418)

Have a look what the booklet for
XYZ(23.9490, 16.6549, 4.6418)
contains.

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Color

**XYZ(23.9490, 16.6549,
4.6418)**

Conversions

Conversions Part 1

Format	Color
Hex	BB512F
RGB	187, 81, 47
RGB Percent	73%, 32%, 18%
CMY	0.2667, 0.6823, 0.8157
CMYK	0.00, 0.57, 0.75, 0.27
HSL	15°, 60%, 46%
HSV	15°, 75%, 73%
XYZ	23.9490, 16.6549, 4.6418
YIQ	108.8180, 74.0900, 11.8980

Conversions

Conversions Part 2

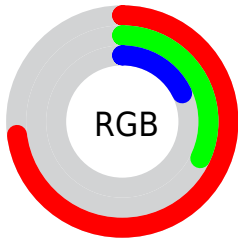
Format	Color
RYB	187, 92, 47
Decimal	12276015
CIELab	47.82, 40.71, 40.17
CIElCh	48, 57.193, 44.619
Yxy	16.6549, 0.5293, 0.3681
Android (android.graphics.Color)	4290466095 (0xFFBB512F)
YUV	108.8180, -30.4763, 68.5656
Hunter-Lab	40.8104, 33.3319, 21.8236

Details

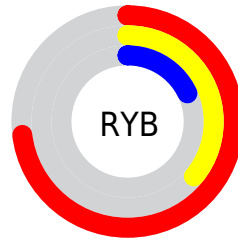
The XYZ color **23.9490, 16.6549, 4.6418** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **21.5321, 26.9725, 51.0846**, and the grayscale version is **14.5538, 15.3117, 16.6745**.

A 20% lighter version of the original color is **49.5200, 37.7410, 15.5012**, and **9.1918, 5.3908, 0.5561** is the 20% darker color. If you saturate the color by 10%, you get **22.7047, 14.6464, 2.7480**, and if you desaturate by 10%, it is **25.5749, 19.1686, 7.4601**.

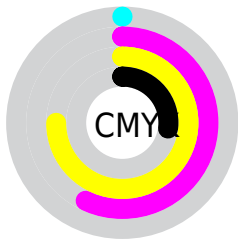
Distribution



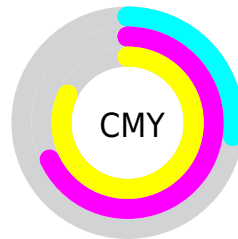
- Red (73%)
- Green (32%)
- Blue (18%)



- Red (73%)
- Yellow (36%)
- Blue (18%)



- Cyan (0%)
- Magenta (57%)
- Yellow (75%)
- Black (27%)





- Cyan (27%)
- Magenta (68%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9490, 16.6549, 4.6418 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 23.9490, 16.6549, 4.6418 by changing the saturation by 10% instead.


 23.9490, 16.6549,
4.6418


 23.9490, 16.6549,
4.6418


265.0078,
233.1757, 155.1122


 15.4203, 9.9888,
1.9836


 49.4022, 37.7315,
15.4648


 9.2031, 5.3915,
0.5452


 67.0575, 52.9107,
24.4667


 4.9321, 2.4788,
0.0000

 88.4857, 71.6964,
36.4203

 2.2418, 0.8660,
0.0000

 114.0522, 94.4729,
51.7441

 0.7646, 0.0000,
0.0000

 144.1223,
121.6247, 70.8567

 0.0000, 0.0000,
0.0000

 179.0613,

153.5362, 94.1765

219.2347,
190.5918, 122.1221

■ 23.9490, 16.6549,
4.6418

■ 23.9490, 16.6549,
4.6418

■ 22.7047, 14.6464,
2.7480

■ 25.5749, 19.1686,
7.4601

■ 21.8050, 13.1039,
1.6558

■ 27.6124, 22.2173,
11.3031

■ 21.4479, 12.4739,
1.2773

■ 30.0892, 25.8313,
16.2586

■ 33.0304, 30.0381,
22.4048

■ 36.4590, 34.8630,
29.8126

■ 40.3964, 40.3302,
38.5477

■ 44.8628, 46.4623,
48.6708

■ 49.8772, 53.2808,
60.2391

■ 55.4576, 60.8063,
73.3065

Harmonies

Analogous

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



27.4344, 16.6549, 11.8931



23.9490, 16.6549, 4.6418



18.5958, 16.6549, 2.2514

Triad

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



23.9490, 16.6549, 4.6418



8.0911, 16.6549, 11.6208



18.4549, 16.6549, 61.5624

Complementary

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



23.9490, 16.6549, 4.6418



21.5321, 26.9725, 51.0846

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.



13.3529, 16.6549, 61.3427



23.9490, 16.6549, 4.6418



8.0694, 16.6549, 26.2479

Square

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



23.9490, 16.6549, 4.6418



9.8586, 16.6549, 4.5353



9.7909, 16.6549, 46.1279



23.8267, 16.6549, 46.6256

Rectangle

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



23.9490, 16.6549, 4.6418



15.0482, 16.6549, 2.0299



9.7909, 16.6549, 46.1279



16.6384, 16.6549, 63.4415

Sweetspot

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



23.9494, 16.6558, 4.6421



66.9814, 64.7880, 57.0935



27.3704, 14.9420, 32.1590



14.3493, 13.7076, 11.6915



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.



23.9494, 16.6558, 4.6421



39.5378, 24.3219, 3.4872



31.8596, 32.4763, 7.2788



9.7133, 9.9027, 9.9761



14.8263, 8.6914, 0.8962



0.6338, 0.4465, 0.0528

Inverse Universe

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



21.5321, 26.9725, 51.0846



34.7070, 43.1435, 90.6997



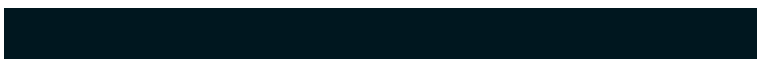
13.3382, 10.5848, 48.3533



9.6069, 10.4062, 12.1745



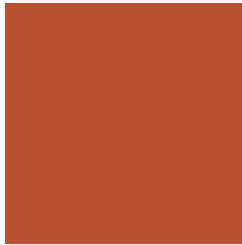
12.8603, 15.8323, 34.7710



0.5518, 0.7163, 1.3780

Previews

White Background



This preview shows how the XYZ color 23.9490, 16.6549, 4.6418 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 23.9490, 16.6549, 4.6418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9490, 16.6549, 4.6418

Background



This preview shows how black text looks on a background with the XYZ color 23.9490, 16.6549, 4.6418.



This preview shows how white text looks on a background with the XYZ color 23.9490, 16.6549,

4.6418.

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

23.9490, 16.6549, 4.6418

Protanopia

15.3600, 16.7657, 6.2974

Deuteranopia

17.0733, 16.7180, 4.3345



Tritanopia

25.1631, 16.7358, 9.8867

Trichromacy



Original Color

23.9490, 16.6549, 4.6418

Protanomaly

17.6067, 16.0557, 5.5392

Deuteranomaly

19.1018, 16.2807, 4.4212

Tritanomaly

24.5376, 16.5698, 7.5352

Monochromacy



Original Color

23.9490, 16.6549, 4.6418

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.4581, 14.9139, 10.8153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9490, 16.6549, 4.6418 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(187, 81, 47)` looks like.

```
.text, #text, p{  
    color:rgb(187, 81, 47)  
}
```

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(187, 81, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 81, 47) }
```

Border

The CSS property to change the border of an element to XYZ 23.9490, 16.6549, 4.6418 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(187, 81, 47) }
```


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

```
.border{ border-color:rgb(187, 81, 47) }
```

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

Here you see how a box with a 4 pixel rgb(187, 81, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 81, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 81, 47);  
box-shadow:4px 4px 4px 4px rgb(187, 81,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9490, 16.6549, 4.6418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 81, 47) }
```

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

```
.background{ background-color: rgb(187, 81,  
47) }
```

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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