

Converting Colors

XYZ(24.1559, 21.8274, 5.8678)

Have a look what the booklet for
XYZ(24.1559, 21.8274, 5.8678)
contains.

XYZ(24.1492, 21.8286, 5.8463)	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(24.1492, 21.8286,
5.8463)**

Conversions

Conversions Part 1

Format	Color
Hex	AD7531
RGB	173, 117, 49
RGB Percent	68%, 46%, 19%
CMY	0.3216, 0.5412, 0.8078
CMYK	0.00, 0.32, 0.72, 0.32
HSL	33°, 56%, 44%
HSV	33°, 72%, 68%
XYZ	24.1492, 21.8286, 5.8463
YIQ	125.9920, 55.2040, -9.2760

Conversions

Conversions Part 2

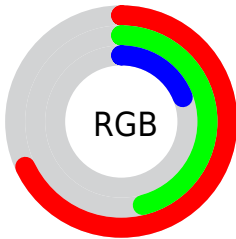
Format	Color
R _Y B	151, 173, 49
Decimal	11367729
CIE Lab	53.84, 15.63, 44.97
CIE LCh	54, 47.608, 70.836
Yxy	21.8286, 0.4660, 0.4212
Android (android.graphics.Color)	4289557809 (0xFFAD7531)
YUV	125.9920, -37.9571, 41.2260
Hunter-Lab	46.7211, 10.5012, 25.2857

Details

The XYZ color **24.1492, 21.8286, 5.8463** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.8607, 13.7725, 41.4625**, and the grayscale version is **19.9409, 20.9794, 22.8466**.

A 20% lighter version of the original color is **49.7188, 46.4326, 18.1463**, and **9.3306, 7.9692, 1.0464** is the 20% darker color. If you saturate the color by 10%, you get **22.9793, 19.9653, 3.9879**, and if you desaturate by 10%, it is **25.5362, 23.9021, 8.4688**.

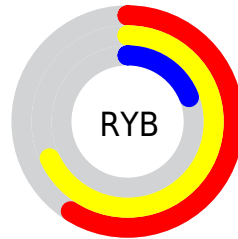
Distribution



Red (68%)

Green (46%)

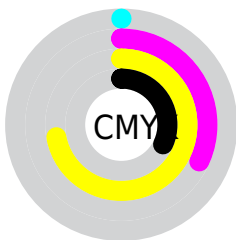
Blue (19%)



Red (59%)

Yellow (68%)

Blue (19%)

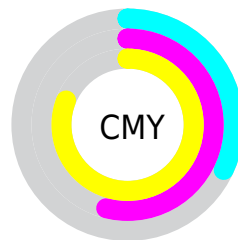


Cyan (0%)

Magenta (32%)

Yellow (72%)

Black (32%)



Cyan (32%)


Magenta (54%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1492, 21.8286, 5.8463 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 24.1492, 21.8286, 5.8463 by changing the saturation by 10% instead.


 24.1492, 21.8286,
5.8463


 24.1492, 21.8286,
5.8463


266.0004,
261.6499, 166.9497


 15.5697, 13.7310,
2.6846


 49.7265, 46.4625,
18.0832


 9.3091, 7.9338,
0.9356


 67.4549, 63.7677,
27.9954

 5.0020, 4.0526,
0.0000

 88.9637, 84.9108,
40.9948

 2.2832, 1.7030,
0.0000

 114.6182,
110.2763, 57.5001

 0.7861, 0.4256,
0.0000

 144.7838,
140.2486, 77.9296

 0.0000, 0.0000,
0.0000

 179.8258,

175.2120, 102.7021

220.1095,
215.5510, 132.2359

■ 24.1492, 21.8286,
5.8463

■ 24.1492, 21.8286,
5.8463

■ 22.9793, 19.9653,
3.9879

■ 25.5362, 23.9021,
8.4688

■ 22.0061, 18.2984,
2.8020

■ 27.1550, 26.1918,
11.9303

■ 21.3145, 17.0464,
2.1669

■ 29.0203, 28.7074,
16.2983

■ 31.1452, 31.4565,
21.6327

■ 33.5416, 34.4468,
27.9884

■ 36.2205, 37.6849,
35.4161

■ 39.1924, 41.1777,
43.9631

■ 42.4672, 44.9314,
53.6738

■ 46.0541, 48.9520,
64.5902

Harmonies

Analogous

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



29.1209, 21.8286, 9.6893



24.1492, 21.8286, 5.8463



18.9514, 21.8286, 5.4401

Triad

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



24.1492, 21.8286, 5.8463



12.5038, 21.8286, 29.4709



27.8722, 21.8286, 52.1105

Complementary

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



24.1492, 21.8286, 5.8463



13.8607, 13.7725, 41.4625

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.



22.6535, 21.8286, 63.5963



24.1492, 21.8286, 5.8463



14.1559, 21.8286, 47.3763

Square

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



24.1492, 21.8286, 5.8463



12.7697, 21.8286, 15.6629



17.6811, 21.8286, 61.5760



31.5028, 21.8286, 34.2743

Rectangle

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



24.1492, 21.8286, 5.8463



16.1000, 21.8286, 6.8499



17.6811, 21.8286, 61.5760



26.2128, 21.8286, 57.1180

Sweetspot

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



24.1497, 21.8297, 5.8467



59.7512, 61.2988, 49.2565



20.9787, 12.1397, 15.1109



12.7344, 13.0116, 10.0296



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.1497, 21.8297, 5.8467



40.0991, 33.9758, 5.7698



31.8312, 38.5287, 8.6651



8.3556, 8.7160, 8.4553



15.7166, 12.6387, 1.6112



0.4909, 0.4590, 0.0627

Inverse Universe

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



13.8607, 13.7725, 41.4625



20.6315, 18.7912, 73.3454



10.1165, 5.9745, 40.1547



7.8656, 8.3305, 10.1461



7.6048, 6.3435, 29.8681



0.2667, 0.2867, 0.8493

Previews

White Background



This preview shows how the XYZ color 24.1492, 21.8286, 5.8463 looks on a white 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

Black Background



This preview shows how the XYZ color 24.1492, 21.8286, 5.8463 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 × Fail

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

XYZ 24.1492, 21.8286, 5.8463

Background



This preview shows how black text looks on a background with the XYZ color 24.1492, 21.8286, 5.8463.



This preview shows how white text looks on a background with the XYZ color 24.1492, 21.8286,

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

24.1492, 21.8286, 5.8463

Protanopia

19.9945, 21.8868, 6.5389

Deuteranopia

22.2940, 21.9482, 5.7507



Tritanopia

26.9774, 21.8070, 19.9268

Trichromacy



Original Color

24.1492, 21.8286, 5.8463

Protanomaly

21.4710, 21.8837, 6.3411

Deuteranomaly

22.8879, 21.8875, 5.8147

Tritanomaly

25.7854, 21.8307, 13.2106

Monochromacy



Original Color

24.1492, 21.8286, 5.8463

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.6153, 20.8874, 14.5004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1492, 21.8286, 5.8463 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(173, 117, 49)` looks like.

```
.text, #text, p{  
    color:rgb(173, 117, 49)  
}
```

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(173, 117, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 117, 49) }
```

Border

The CSS property to change the border of an element to XYZ 24.1492, 21.8286, 5.8463 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(173, 117, 49) }
```


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

```
.border{ border-color:rgb(173, 117, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 117, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 117, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 117, 49);  
box-shadow:4px 4px 4px 4px rgb(173, 117,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1492, 21.8286, 5.8463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 117, 49) }
```

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

```
.background{ background-color: rgb(173,  
117, 49) }
```

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