

Converting Colors

XYZ(21.1222, 24.7183, 16.2049)

Have a look what the booklet for
XYZ(21.1222, 24.7183, 16.2049)
contains.

XYZ(21.1291, 24.7549, 16.2349)	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(21.1291, 24.7549,
16.2349)**

Conversions

Conversions Part 1

Format	Color
Hex	828D66
RGB	130, 141, 102
RGB Percent	51%, 55%, 40%
CMY	0.4902, 0.4470, 0.6000
CMYK	0.08, 0.00, 0.28, 0.45
HSL	77°, 16%, 48%
HSV	77°, 28%, 55%
XYZ	21.1291, 24.7549, 16.2349
YIQ	133.2650, 5.9630, -14.4610

Conversions

Conversions Part 2

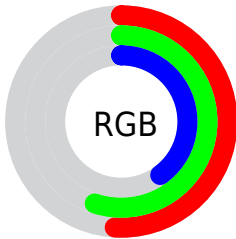
Format	Color
R_{YB}	102, 141, 113
Decimal	8555878
CIE Lab	56.84, -11.06, 19.53
CIE LCh	57, 22.439, 119.525
Yxy	24.7549, 0.3401, 0.3985
Android (android.graphics.Color)	4286745958 (0xFF828D66)
YUV	133.2650, -15.4136, -2.8634
Hunter-Lab	49.7543, -11.2666, 15.4816

Details

The XYZ color **21.1291, 24.7549, 16.2349** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.3701, 14.9372, 27.2210**, and the grayscale version is **22.4444, 23.6133, 25.7148**.

A 20% lighter version of the original color is **44.7933, 51.3974, 37.6968**, and **7.7389, 9.4635, 5.0332** is the 20% darker color. If you saturate the color by 10%, you get **19.8903, 24.1911, 12.8320**, and if you desaturate by 10%, it is **22.5118, 25.3807, 20.2665**.

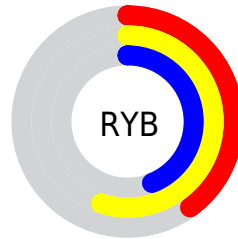
Distribution



Red (51%)

Green (55%)

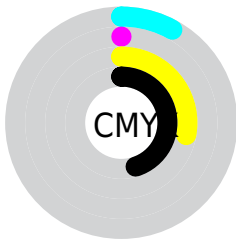
Blue (40%)



Red (40%)

Yellow (55%)

Blue (44%)

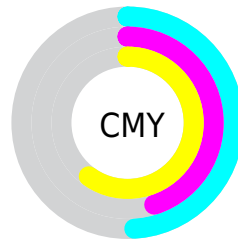


Cyan (8%)

Magenta (0%)

Yellow (28%)

Black (45%)



Cyan (49%)

Magenta (45%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1291, 24.7549, 16.2349 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 21.1291, 24.7549, 16.2349 by changing the saturation by 10% instead.

■ 21.1291, 24.7549,
16.2349

■ 21.1291, 24.7549,
16.2349

250.6825,
276.6151, 242.6167

■ 13.3314, 15.8945,
9.5344

■ 44.7920, 51.2593,
37.7780

■ 7.7357, 9.4496,
4.9898

■ 61.3878, 69.6722,
53.4576

■ 3.9767, 5.0356,
2.1826

■ 81.6471, 92.0380,
72.9673

■ 1.6890, 2.2681,
0.6643

■ 105.9352,
118.7411, 96.7257

■ 0.4493, 0.7568,
0.0000

134.6174,
150.1660, 125.1513

■ 0.0000, 0.0000,
0.0000

168.0592,

186.6971, 158.6627

206.6257,
228.7186, 197.6783

■ 21.1291, 24.7549,
16.2349

■ 21.1291, 24.7549,
16.2349

■ 19.8903, 24.1911,
12.8320

■ 22.5118, 25.3807,
20.2665

■ 18.7871, 23.6834,
10.0246

■ 24.0422, 26.0675,
24.9546

■ 17.8134, 23.2301,
7.7785

■ 25.7266, 26.8186,
30.3274

■ 16.9617, 22.8283,
6.0559

■ 27.5701, 27.6362,
36.4110

■ 16.2236, 22.4745,
4.8140

■ 29.5776, 28.5223,
43.2299

■ 15.5895, 22.1649,
4.0034

■ 31.7539, 29.4787,
50.8077

■ 15.0406, 21.8919,
3.5276

■ 34.1034, 30.5073,
59.1668

■ 14.9174, 21.8305,
3.4275

■ 36.6304, 31.6099,
68.3287

■ 39.3392, 32.7881,
78.3141

Harmonies

Analogous

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



23.5706, 24.7549, 14.9335



21.1291, 24.7549, 16.2349



19.4430, 24.7549, 20.2700

Triad

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



21.1291, 24.7549, 16.2349



21.0617, 24.7549, 41.4227



28.9429, 24.7549, 27.0738

Complementary

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



21.1291, 24.7549, 16.2349



16.3701, 14.9372, 27.2210

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.



28.1502, 24.7549, 34.9659



21.1291, 24.7549, 16.2349



23.4870, 24.7549, 44.1375

Square

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



21.1291, 24.7549, 16.2349



19.4062, 24.7549, 34.7197



26.1036, 24.7549, 41.5824



28.1974, 24.7549, 20.4421

Rectangle

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



21.1291, 24.7549, 16.2349



18.9083, 24.7549, 24.4114



26.1036, 24.7549, 41.5824



28.8466, 24.7549, 29.6670

Sweetspot

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



21.1297, 24.7560, 16.2354



42.9068, 46.6145, 44.2289



19.2220, 18.2996, 15.0898



9.4966, 10.3726, 9.6085



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.1297, 24.7560, 16.2354



36.4659, 43.7073, 25.2572



18.4921, 23.3962, 16.1120



5.6933, 6.2100, 5.7880



13.6171, 19.9125, 3.1258



0.1518, 0.2015, 0.0309

Inverse Universe

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



16.3701, 14.9372, 27.2210



26.5271, 23.1974, 48.2073



19.0600, 16.3239, 27.3469



5.2636, 5.3241, 6.7790



5.1878, 2.1680, 23.1221



0.0689, 0.0307, 0.2220

Previews

White Background



This preview shows how the XYZ color 21.1291, 24.7549, 16.2349 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 21.1291, 24.7549, 16.2349 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

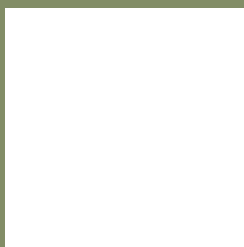
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1291, 24.7549, 16.2349

Background



This preview shows how black text looks on a background with the XYZ color 21.1291, 24.7549, 16.2349.



This preview shows how white text looks on a background with the XYZ color 21.1291, 24.7549,

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

21.1291, 24.7549, 16.2349

Protanopia

22.9585, 24.6394, 15.6024

Deuteranopia

25.1122, 24.7057, 16.5418



Tritanopia

24.0056, 24.6375, 30.6844

Trichromacy



Original Color

21.1291, 24.7549, 16.2349

Protanomaly

22.2527, 24.6920, 15.9051

Deuteranomaly

23.5066, 24.6968, 16.3600

Tritanomaly

22.8064, 24.5714, 24.6598

Monochromacy



Original Color

21.1291, 24.7549, 16.2349

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.8327, 23.9190, 21.8785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1291, 24.7549, 16.2349 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(130, 141, 102)` looks like.

```
.text, #text, p{  
    color:rgb(130, 141, 102)  
}
```

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(130, 141, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 141, 102) }
```

Border

The CSS property to change the border of an element to XYZ 21.1291, 24.7549, 16.2349 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(130, 141, 102) }
```


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

```
.border{ border-color:rgb(130, 141, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 141, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 141, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 141, 102);  
box-shadow:4px 4px 4px 4px rgb(130, 141,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1291, 24.7549, 16.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 141, 102) }
```

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

```
.background{ background-color: rgb(130,  
141, 102) }
```

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