

Converting Colors

XYZ(21.0343, 21.6105, 12.2504)

Have a look what the booklet for
XYZ(21.0343, 21.6105, 12.2504)
contains.

XYZ(20.9491, 21.4828, 12.2750)	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(20.9491, 21.4828,
12.2750)**

Conversions

Conversions Part 1

Format	Color
Hex	927D58
RGB	146, 125, 88
RGB Percent	57%, 49%, 35%
CMY	0.4275, 0.5098, 0.6549
CMYK	0.00, 0.14, 0.40, 0.43
HSL	38°, 25%, 46%
HSV	38°, 40%, 57%
XYZ	20.9491, 21.4828, 12.2750
YIQ	127.0610, 24.3930, -7.0550

Conversions

Conversions Part 2

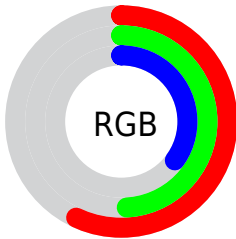
Format	Color
R_{YB}	121, 146, 88
Decimal	9600344
CIE _{Lab}	53.47, 2.57, 23.17
CIE _{LCh}	53, 23.308, 83.668
Yxy	21.4828, 0.3829, 0.3927
Android (android.graphics.Color)	4287790424 (0xFF927D58)
YUV	127.0610, -19.2571, 16.6095
Hunter-Lab	46.3495, -0.4331, 16.7426

Details

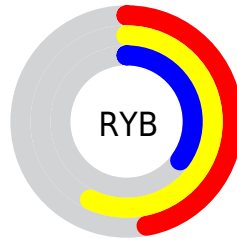
The XYZ color **20.9491, 21.4828, 12.2750** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.6813, 15.0868, 29.3323**, and the grayscale version is **20.2524, 21.3071, 23.2034**.

A 20% lighter version of the original color is **44.3970, 45.6968, 30.5251**, and **7.6185, 7.7157, 3.2782** is the 20% darker color. If you saturate the color by 10%, you get **19.7527, 19.9627, 9.1854**, and if you desaturate by 10%, it is **22.3034, 23.1246, 16.0153**.

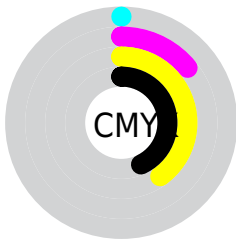
Distribution



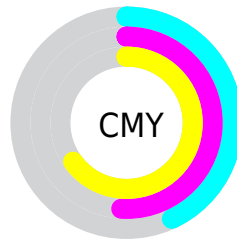
- Red (57%)
- Green (49%)
- Blue (35%)



- Red (47%)
- Yellow (57%)
- Blue (35%)



- Cyan (0%)
- Magenta (14%)
- Yellow (40%)
- Black (43%)



- Cyan (43%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9491, 21.4828, 12.2750 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 20.9491, 21.4828, 12.2750 by changing the saturation by 10% instead.

■ 20.9491, 21.4828,
12.2750

■ 20.9491, 21.4828,
12.2750

249.7447,
259.8333, 217.2596

■ 13.1991, 13.4774,
6.8064

■ 44.4947, 45.8897,
30.6668

■ 7.6437, 7.7581,
3.2647

■ 61.0210, 63.0599,
44.4272

■ 3.9177, 3.9405,
1.2314

■ 81.2034, 84.0539,
61.7886

■ 1.6557, 1.6404,
0.0045

■ 105.4073,
109.2559, 83.1695

■ 0.4283, 0.3846,
0.0000

■ 133.9980,
139.0505, 108.9885

■ 0.0000, 0.0000,
0.0000

167.3409,

173.8220, 139.6642

205.8014,
213.9548, 175.6150

■ 20.9491, 21.4828,
12.2750

■ 20.9491, 21.4828,
12.2750

■ 19.7527, 19.9627,
9.1854

■ 22.3034, 23.1246,
16.0153

■ 18.7046, 18.5573,
6.7068

■ 23.8211, 24.8888,
20.4403

■ 17.7969, 17.2632,
4.7969

■ 25.5095, 26.7799,
25.5831

■ 17.0198, 16.0757,
3.4077

■ 27.3749, 28.8013,
31.4745

■ 16.3622, 14.9893,
2.4828

■ 29.4232, 30.9562,
38.1432

■ 15.7963, 13.9919,
1.8797

■ 31.6600, 33.2476,
45.6165

■ 15.7813, 13.9655,
1.8638

■ 34.0908, 35.6785,
53.9204

■ 36.7207, 38.2516,
63.0798

■ 39.5546, 40.9697,
73.1182

Harmonies

Analogous

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



23.3758, 21.4828, 14.0250



20.9491, 21.4828, 12.2750



18.5639, 21.4828, 12.9812

Triad

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



20.9491, 21.4828, 12.2750



16.3558, 21.4828, 29.3122



24.5057, 21.4828, 32.4496

Complementary

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



20.9491, 21.4828, 12.2750



14.6813, 15.0868, 29.3323

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.



22.3932, 21.4828, 38.2588



20.9491, 21.4828, 12.2750



17.7222, 21.4828, 36.2062

Square

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



20.9491, 21.4828, 12.2750



16.0371, 21.4828, 21.9173



19.8974, 21.4828, 39.7568



25.5337, 21.4828, 24.9296

Rectangle

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



20.9491, 21.4828, 12.2750



17.3003, 21.4828, 14.8389



19.8974, 21.4828, 39.7568



23.8910, 21.4828, 34.7239

Sweetspot

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



20.9496, 21.4838, 12.2754



44.2229, 46.3816, 42.7251



18.1186, 14.2005, 16.3296



9.7624, 10.2341, 9.2732



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.9496, 21.4838, 12.2754



34.9959, 35.4117, 16.5767



22.5658, 26.6883, 13.1948



6.0906, 6.3951, 6.1538



13.9092, 12.3328, 1.6474



0.1983, 0.2071, 0.0295

Inverse Universe

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



14.6813, 15.0868, 29.3323



22.3078, 22.4740, 51.1357



13.4741, 11.5274, 28.7089



5.6611, 5.9562, 7.3210



5.6999, 4.0946, 24.4209



0.0960, 0.1025, 0.3076

Previews

White Background



This preview shows how the XYZ color 20.9491, 21.4828, 12.2750 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 20.9491, 21.4828, 12.2750 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 20.9491, 21.4828, 12.2750

Background



This preview shows how black text looks on a background with the XYZ color 20.9491, 21.4828, 12.2750.



This preview shows how white text looks on a background with the XYZ color 20.9491, 21.4828,

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

20.9491, 21.4828, 12.2750

Protanopia

20.0036, 21.5629, 12.5589

Deuteranopia

21.8996, 21.4126, 12.4300



Tritanopia

23.2566, 21.5020, 23.6934

Trichromacy



Original Color

20.9491, 21.4828, 12.2750

Protanomaly

20.3770, 21.5627, 12.5392

Deuteranomaly

21.4638, 21.3712, 12.4450

Tritanomaly

22.3912, 21.5235, 18.8939

Monochromacy



Original Color

20.9491, 21.4828, 12.2750

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2730, 21.1823, 18.6429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9491, 21.4828, 12.2750 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(146, 125, 88)` looks like.

```
.text, #text, p{  
    color:rgb(146, 125, 88)  
}
```

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(146, 125, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 125, 88) }
```

Border

The CSS property to change the border of an element to XYZ 20.9491, 21.4828, 12.2750 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(146, 125, 88) }
```


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

```
.border{ border-color:rgb(146, 125, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 125, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 125, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 125, 88);  
box-shadow:4px 4px 4px 4px rgb(146, 125,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9491, 21.4828, 12.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 125, 88) }
```

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

```
.background{ background-color: rgb(146,  
125, 88) }
```

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