

Converting Colors

XYZ(21.4542, 27.3589, 10.0610)

Have a look what the booklet for
XYZ(21.4542, 27.3589, 10.0610)
contains.

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Color

**XYZ(21.4099, 27.3340,
10.1088)**

Conversions

Conversions Part 1

Format	Color
Hex	829747
RGB	130, 151, 71
RGB Percent	51%, 59%, 28%
CMY	0.4902, 0.4078, 0.7216
CMYK	0.14, 0.00, 0.53, 0.41
HSL	76°, 36%, 44%
HSV	76°, 53%, 59%
XYZ	21.4099, 27.3340, 10.1088
YIQ	135.6010, 13.1640, -29.3320

Conversions

Conversions Part 2

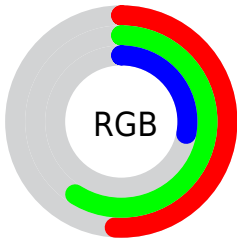
Format	Color
R_{YB}	71, 151, 92
Decimal	8558407
CIE _{Lab}	59.28, -20.27, 39.24
CIE _{LCh}	59, 44.161, 117.318
Yxy	27.3340, 0.3638, 0.4644
Android (android.graphics.Color)	4286748487 (0xFF829747)
YUV	135.6010, -31.8483, -4.9121
Hunter-Lab	52.2819, -18.3961, 25.1335

Details

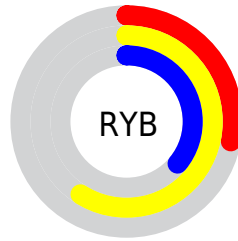
The XYZ color **21.4099, 27.3340, 10.1088** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.2538, 9.0169, 30.3743**, and the grayscale version is **23.3650, 24.5817, 26.7695**.

A 20% lighter version of the original color is **45.1113, 55.2581, 26.7006**, and **7.8344, 10.7882, 2.3789** is the 20% darker color. If you saturate the color by 10%, you get **20.3881, 26.8573, 7.8382**, and if you desaturate by 10%, it is **22.5769, 27.8734, 13.0160**.

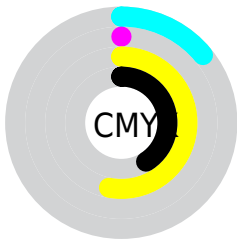
Distribution



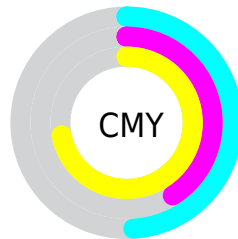
- Red (51%)
- Green (59%)
- Blue (28%)



- Red (28%)
- Yellow (59%)
- Blue (36%)



- Cyan (14%)
- Magenta (0%)
- Yellow (53%)
- Black (41%)



- Cyan (49%)
- Magenta (41%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4099, 27.3340, 10.1088 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 21.4099, 27.3340, 10.1088 by changing the saturation by 10% instead.

■ 21.4099, 27.3340,
10.1088

■ 21.4099, 27.3340,
10.1088

252.1396,
289.2707, 201.9598

■ 13.5381, 17.8242,
5.3646

■ 45.2549, 55.4194,
26.6110

■ 7.8797, 10.8239,
2.4003

■ 61.9588, 74.7637,
39.2060

■ 4.0692, 5.9485,
0.7866

■ 82.3375, 98.1551,
55.2551

■ 1.7414, 2.8138,
0.0000

■ 106.7563,
125.9779, 75.1767

■ 0.4820, 1.0353,
0.0000

■ 135.5805,
158.6164, 99.3895

■ 0.0000, 0.0000,
0.0000

169.1756,

196.4551, 128.3119

207.9068,
239.8784, 162.3625

■ 21.4099, 27.3340,
10.1088

■ 21.4099, 27.3340,
10.1088

■ 20.3881, 26.8573,
7.8382

■ 22.5769, 27.8734,
13.0160

■ 19.5001, 26.4359,
6.1546

■ 23.8956, 28.4752,
16.6010

■ 18.7361, 26.0667,
5.0037

■ 25.3743, 29.1438,
20.9036

■ 18.0833, 25.7446,
4.3207

■ 27.0202, 29.8821,
25.9602

■ 17.6681, 25.5373,
3.9980

■ 28.8399, 30.6927,
31.8044

■ 30.8396, 31.5781,
38.4681

■ 33.0253, 32.5409,
45.9813

■ 35.4027, 33.5832,
54.3724

■ 37.9771, 34.7073,
63.6686

Harmonies

Analogous

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



26.4796, 27.3340, 8.5620



21.4099, 27.3340, 10.1088



18.0359, 27.3340, 16.1879

Triad

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



21.4099, 27.3340, 10.1088



20.6632, 27.3340, 63.3515



38.0812, 27.3340, 31.2061

Complementary

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



21.4099, 27.3340, 10.1088



12.2538, 9.0169, 30.3743

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.



35.9696, 27.3340, 49.3632



21.4099, 27.3340, 10.1088



25.4870, 27.3340, 71.5878

Square

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



21.4099, 27.3340, 10.1088



17.6497, 27.3340, 45.9937



31.1585, 27.3340, 65.7325



36.5896, 27.3340, 17.8842

Rectangle

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



21.4099, 27.3340, 10.1088



16.9450, 27.3340, 23.5789



31.1585, 27.3340, 65.7325



37.7632, 27.3340, 36.9415

Sweetspot

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



21.4106, 27.3352, 10.1094



47.3687, 53.0565, 43.3102



17.6419, 14.5172, 7.8339



10.6396, 12.0022, 9.4532



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.4106, 27.3352, 10.1094



36.1240, 47.9132, 13.2528



16.5193, 24.8137, 9.8805



6.5506, 7.1413, 6.6390



15.0575, 21.7383, 3.4023



0.2584, 0.3422, 0.0524

Inverse Universe

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



12.2538, 9.0169, 30.3743



17.9086, 11.3919, 53.6886



17.2002, 11.5668, 30.6058



6.0290, 6.1008, 7.7888



5.5086, 2.2908, 25.0595



0.1129, 0.0500, 0.3761

Previews

White Background



This preview shows how the XYZ color 21.4099, 27.3340, 10.1088 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 21.4099, 27.3340, 10.1088 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 21.4099, 27.3340, 10.1088

Background



This preview shows how black text looks on a background with the XYZ color 21.4099, 27.3340, 10.1088.



This preview shows how white text looks on a background with the XYZ color 21.4099, 27.3340,

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

21.4099, 27.3340, 10.1088

Protanopia

24.9664, 27.3314, 9.4285

Deuteranopia

27.7534, 27.2303, 10.4498



Tritanopia

26.2380, 27.2214, 34.0083

Trichromacy



Original Color

21.4099, 27.3340, 10.1088

Protanomaly

23.5658, 27.2833, 9.6544

Deuteranomaly

25.0590, 26.9151, 10.3529

Tritanomaly

23.8539, 26.9151, 22.6768

Monochromacy



Original Color

21.4099, 27.3340, 10.1088

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.2810, 25.2879, 19.0360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4099, 27.3340, 10.1088 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, 151, 71)` looks like.

```
.text, #text, p{  
    color:rgb(130, 151, 71)  
}
```

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, 151, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 151, 71) }
```

Border

The CSS property to change the border of an element to XYZ 21.4099, 27.3340, 10.1088 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, 151, 71) }
```


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

```
.border{ border-color:rgb(130, 151, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 151, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 151, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 151, 71);  
box-shadow:4px 4px 4px 4px rgb(130, 151,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4099, 27.3340, 10.1088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 151, 71) }
```

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

```
.background{ background-color: rgb(130,  
151, 71) }
```

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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