

Converting Colors

XYZ(21.2470, 29.1292, 4.5027)

Have a look what the booklet for
XYZ(21.2470, 29.1292, 4.5027)
contains.

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Color

**XYZ(21.2801, 29.1208,
4.4993)**

Conversions

Conversions Part 1

Format	Color
Hex	819E00
RGB	129, 158, 0
RGB Percent	51%, 62%, 0%
CMY	0.4941, 0.3804, 0.9999
CMYK	0.18, 0.00, 1.00, 0.38
HSL	71°, 100%, 31%
HSV	71°, 100%, 62%
XYZ	21.2801, 29.1208, 4.4993
YIQ	131.3170, 33.4340, -55.2860

Conversions

Conversions Part 2

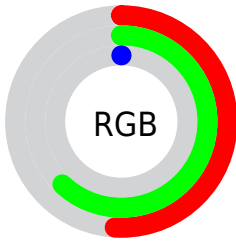
Format	Color
RYB	0, 158, 29
Decimal	8494592
CIELab	60.89, -27.80, 63.42
CIELCh	61, 69.248, 113.673
Yxy	29.1208, 0.3876, 0.5304
Android (android.graphics.Color)	4286684672 (0xFF819E00)
YUV	131.3170, -64.7393, -2.0320
Hunter-Lab	53.9637, -24.0466, 32.8312

Details

The XYZ color **21.2801, 29.1208, 4.4993** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.6792, 2.7305, 32.5245**, and the grayscale version is **21.9043, 23.0450, 25.0960**.

A 20% lighter version of the original color is **45.2465, 58.5086, 15.2119**, and **8.0817, 11.9712, 1.8847** is the 20% darker color. If you saturate the color by 10%, you get **21.2803, 29.1219, 4.4995**, and if you desaturate by 10%, it is **21.8198, 29.3893, 5.0056**.

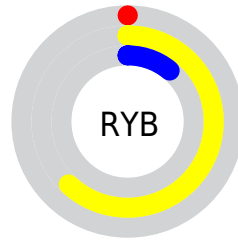
Distribution



Red (51%)

Green (62%)

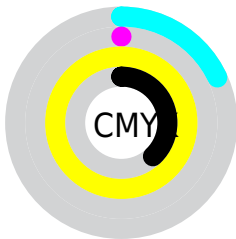
Blue (0%)



Red (0%)

Yellow (62%)

Blue (11%)

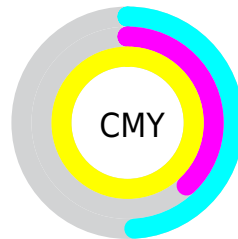


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (49%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2801, 29.1208, 4.4993 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 21.2801, 29.1208, 4.4993 by changing the saturation by 10% instead.

■ 21.2801, 29.1208,
4.4993

■ 21.2801, 29.1208,
4.4993

251.4670,
297.7845, 153.6232

■ 13.4425, 19.1722,
1.9031

■ 45.0410, 58.2690,
15.1458

■ 7.8131, 11.7948,
0.4947

■ 61.6950, 78.2373,
24.0332

■ 4.0264, 6.6041,
0.0000

■ 82.0186, 102.3144,
35.8547

■ 1.7171, 3.2158,
0.0000

■ 106.3771,
130.8846, 51.0289

■ 0.4669, 1.2454,
0.0000

■ 135.1358,
164.3323, 69.9743


■ 0.0000, 0.0983,
0.0000


■ 168.6601,


■ 0.0000, 0.0000,


203.0420, 93.1095


0.0000


 207.3154,
247.3979, 120.8529


 21.2801, 29.1208,
4.4993


 21.2801, 29.1208,
4.4993


 21.2803, 29.1219,
4.4995

 21.8198, 29.3893,
5.0056

 22.4427, 29.6916,
5.8874

 23.1809, 30.0414,
7.3102

 24.0477, 30.4442,
9.3431

 25.0543, 30.9044,
12.0448

■ 26.2106, 31.4259,
15.4670

■ 27.5257, 32.0125,
19.6567

■ 29.0076, 32.6673,
24.6565

■ 30.6642, 33.3935,
30.5062

Harmonies

Analogous

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



29.6347, 29.1208, 3.5244



21.2801, 29.1208, 4.4993



15.9213, 29.1208, 10.4414

Triad

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



21.2801, 29.1208, 4.4993



18.6202, 29.1208, 90.9511



48.7520, 29.1208, 37.5043

Complementary

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



21.2801, 29.1208, 4.4993



6.6792, 2.7305, 32.5245

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.



44.1417, 29.1208, 71.1911



21.2801, 29.1208, 4.4993



25.8102, 29.1208, 111.1730

Square

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



21.2801, 29.1208, 4.4993



14.6352, 29.1208, 56.1363



35.2457, 29.1208, 102.4590



46.8033, 29.1208, 15.6483

Rectangle

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



21.2801, 29.1208, 4.4993



14.1436, 29.1208, 19.6901



35.2457, 29.1208, 102.4590



47.8909, 29.1208, 47.8274

Sweetspot

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



21.2808, 29.1221, 4.4999



49.8336, 58.0648, 35.2017



14.5402, 8.1472, 0.8066



11.0146, 12.9926, 7.2237



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.2808, 29.1221, 4.4999



38.4871, 52.8022, 8.1634



13.5451, 25.1343, 4.1379



7.0507, 7.6588, 7.0923



17.0729, 23.3381, 3.6049



0.3337, 0.4319, 0.0658

Inverse Universe

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



6.6792, 2.7305, 32.5245



12.0039, 4.8935, 59.0553



12.3532, 5.6555, 32.7900



6.3927, 6.4909, 8.3226



5.3743, 2.1996, 26.0485



0.1235, 0.0535, 0.4670

Previews

White Background



This preview shows how the XYZ color 21.2801, 29.1208, 4.4993 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 21.2801, 29.1208, 4.4993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

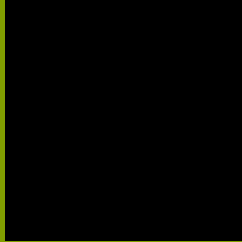
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2801, 29.1208, 4.4993

Background



This preview shows how black text looks on a background with the XYZ color 21.2801, 29.1208, 4.4993.



This preview shows how white text looks on a background with the XYZ color 21.2801, 29.1208,

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

21.2801, 29.1208, 4.4993

Protanopia

25.9508, 28.8668, 4.2041

Deuteranopia

29.4498, 28.8634, 5.1176



Tritanopia

27.7606, 29.0868, 36.4989

Trichromacy



Original Color

21.2801, 29.1208, 4.4993

Protanomaly

24.0155, 28.8086, 4.2949

Deuteranomaly

25.9051, 28.6008, 4.7274

Tritanomaly

23.7321, 28.3912, 16.5411

Monochromacy



Original Color

21.2801, 29.1208, 4.4993

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.2921, 24.4201, 11.8277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2801, 29.1208, 4.4993 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(129, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 158, 0)  
}
```

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(129, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.2801, 29.1208, 4.4993 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(129, 158, 0) }
```


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

```
.border{ border-color:rgb(129, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 158,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2801, 29.1208, 4.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 158, 0) }
```

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

```
.background{ background-color: rgb(129,  
158, 0) }
```

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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