

Converting Colors

XYZ(20.8069, 29.2846, 1.1644)

Have a look what the booklet for
XYZ(20.8069, 29.2846, 1.1644)
contains.

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Color

**XYZ(21.4514, 29.4634,
4.5564)**

Conversions

Conversions Part 1

Format	Color
Hex	819F00
RGB	129, 159, 0
RGB Percent	51%, 62%, 0%
CMY	0.4941, 0.3765, 0.9999
CMYK	0.19, 0.00, 1.00, 0.38
HSL	71°, 100%, 31%
HSV	71°, 100%, 62%
XYZ	21.4514, 29.4634, 4.5564
YIQ	131.9040, 33.1590, -55.8090

Conversions

Conversions Part 2

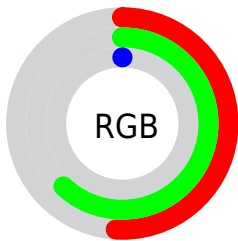
Format	Color
RYB	0, 159, 30
Decimal	8494848
CIELab	61.19, -28.29, 63.65
CIELCh	61, 69.650, 113.962
Yxy	29.4634, 0.3867, 0.5311
Android (android.graphics.Color)	4286684928 (0xFF819F00)
YUV	131.9040, -65.0287, -2.5468
Hunter-Lab	54.2802, -24.4476, 33.0192

Details

The XYZ color **21.4514, 29.4634, 4.5564** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.7945, 2.7799, 32.9811**, and the grayscale version is **22.1175, 23.2693, 25.3403**.

A 20% lighter version of the original color is **45.4989, 59.0133, 15.2960**, and **8.0817, 11.9712, 1.8847** is the 20% darker color. If you saturate the color by 10%, you get **21.4516, 29.4645, 4.5566**, and if you desaturate by 10%, it is **22.0074, 29.7403, 5.0674**.

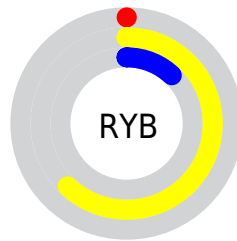
Distribution



Red (51%)

Green (62%)

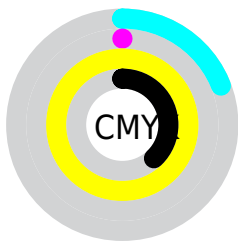
Blue (0%)



Red (0%)

Yellow (62%)

Blue (12%)

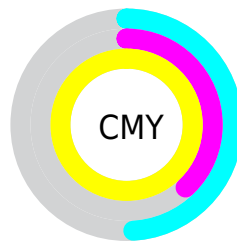


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (49%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4514, 29.4634, 4.5564 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 21.4514, 29.4634, 4.5564 by changing the saturation by 10% instead.

■ 21.4514, 29.4634,
4.5564

■ 21.4514, 29.4634,
4.5564

252.3544,
299.3952, 154.2224

■ 13.5687, 19.4317,
1.9353

■ 45.3232, 58.8125,
15.2739

■ 7.9010, 11.9826,
0.5150

■ 62.0431, 78.8987,
24.2074

■ 4.0829, 6.7318,
0.0000

■ 82.4393, 103.1052,
36.0821

■ 1.7492, 3.2950,
0.0000

■ 106.8774,
131.8163, 51.3165

■ 0.4867, 1.2876,
0.0000

■ 135.7225,
165.4164, 70.3292


■ 0.0000, 0.1316,
0.0000


■ 169.3402,


■ 0.0000, 0.0000,


204.2900, 93.5387


0.0000


 208.0957,
248.8215, 121.3636


 21.4514, 29.4634,
4.5564


 21.4514, 29.4634,
4.5564


 21.4516, 29.4645,
4.5566

 22.0074, 29.7403,
5.0674

 22.6488, 30.0519,
5.9602

 23.4079, 30.4121,
7.4020

 24.2982, 30.8263,
9.4628

 25.3311, 31.2992,
12.2022

■ 26.5166, 31.8348,
15.6731

■ 27.8640, 32.4367,
19.9228

■ 29.3816, 33.1084,
24.9949

■ 31.0771, 33.8528,
30.9296

Harmonies

Analogous

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



29.8951, 29.4634, 3.5378



21.4514, 29.4634, 4.5564



16.0540, 29.4634, 10.6351

Triad

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



21.4514, 29.4634, 4.5564



18.8790, 29.4634, 92.4787



49.3876, 29.4634, 37.6760

Complementary

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



21.4514, 29.4634, 4.5564



6.7945, 2.7799, 32.9811

Split Complementary

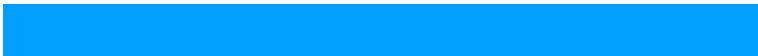
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.7690, 29.4634, 71.7746



21.4514, 29.4634, 4.5564



26.1945, 29.4634, 112.7622

Square

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



21.4514, 29.4634, 4.5564



14.8109, 29.4634, 57.1930



35.7713, 29.4634, 103.6310



47.3463, 29.4634, 15.6643

Rectangle

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



21.4514, 29.4634, 4.5564



14.2739, 29.4634, 20.0800



35.7713, 29.4634, 103.6310



48.5358, 29.4634, 48.1055

Sweetspot

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



21.4521, 29.4647, 4.5570



49.7513, 58.0224, 35.1979



14.7423, 8.2581, 0.8174



10.9939, 12.9819, 7.2227



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.



21.4521, 29.4647, 4.5570



38.2610, 52.6856, 8.1528



13.7321, 25.4850, 4.1957



7.0474, 7.6571, 7.0922



16.9751, 23.2877, 3.6003



0.3325, 0.4314, 0.0657

Inverse Universe

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



6.7945, 2.7799, 32.9811



12.0435, 4.9140, 59.0572



12.5231, 5.7331, 33.2492



6.3958, 6.4925, 8.3228



5.3934, 2.2094, 26.0494



0.1245, 0.0540, 0.4671

Previews

White Background



This preview shows how the XYZ color 21.4514, 29.4634, 4.5564 looks on a white background.

Color Contrast Check

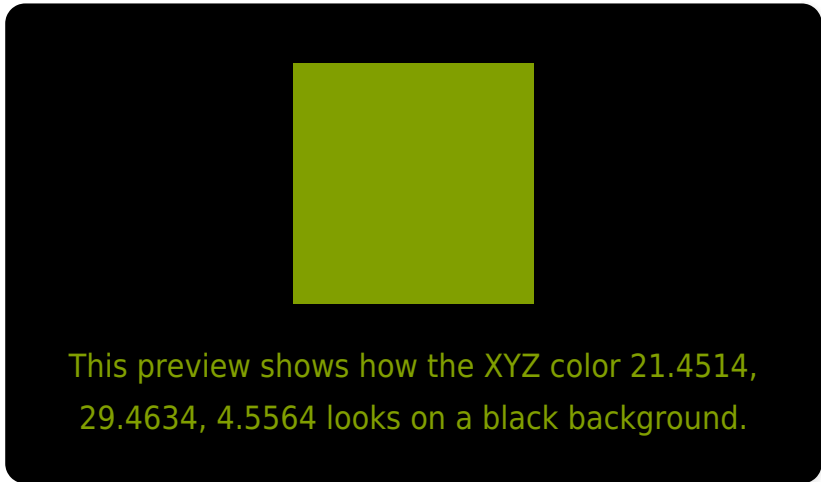
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 21.4514, 29.4634, 4.5564

Background



This preview shows how black text looks on a background with the XYZ color 21.4514, 29.4634, 4.5564.



This preview shows how white text looks on a background with the XYZ color 21.4514, 29.4634,

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

21.4514, 29.4634, 4.5564

Protanopia

26.3158, 29.2868, 4.2659

Deuteranopia

29.8374, 29.2791, 5.1774



Tritanopia

28.0032, 29.4338, 37.0062

Trichromacy



Original Color

21.4514, 29.4634, 4.5564

Protanomaly

24.3651, 29.2288, 4.3575

Deuteranomaly

26.0599, 28.9104, 4.7790

Tritanomaly

23.8937, 28.7144, 16.5950

Monochromacy



Original Color

21.4514, 29.4634, 4.5564

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.6333, 24.8114, 12.0891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4514, 29.4634, 4.5564 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, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 159, 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, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4514, 29.4634, 4.5564 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, 159, 0) }
```


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

```
.border{ border-color:rgb(129, 159, 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, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 159,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4514, 29.4634, 4.5564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 159, 0) }
```

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

```
.background{ background-color: rgb(129,  
159, 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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