

Converting Colors

XYZ(21.6193, 29.7609, 9.9304)

Have a look what the booklet for
XYZ(21.6193, 29.7609, 9.9304)
contains.

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Color

**XYZ(21.6100, 29.6844,
9.9009)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA043
RGB	122, 160, 67
RGB Percent	48%, 63%, 26%
CMY	0.5216, 0.3725, 0.7372
CMYK	0.24, 0.00, 0.58, 0.37
HSL	85°, 41%, 45%
HSV	85°, 58%, 63%
XYZ	21.6100, 29.6844, 9.9009
YIQ	138.0360, 7.2050, -36.9790

Conversions

Conversions Part 2

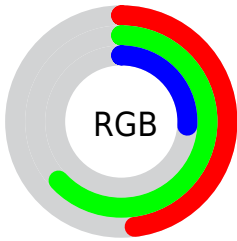
Format	Color
RYB	67, 160, 105
Decimal	8036419
CIELab	61.38, -28.37, 43.48
CIELCh	61, 51.915, 123.123
Yxy	29.6844, 0.3531, 0.4851
Android (android.graphics.Color)	4286226499 (0xFF7AA043)
YUV	138.0360, -35.0207, -14.0636
Hunter-Lab	54.4834, -24.5467, 27.3640

Details

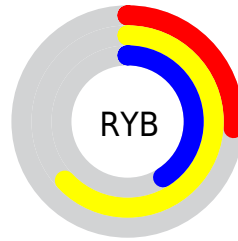
The XYZ color **21.6100, 29.6844, 9.9009** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.1792, 9.5564, 34.3566**, and the grayscale version is **24.2995, 25.5649, 27.8402**.

A 20% lighter version of the original color is **45.7019, 59.2560, 26.1683**, and **7.9676, 12.0589, 2.3231** is the 20% darker color. If you saturate the color by 10%, you get **20.3002, 29.0581, 7.6711**, and if you desaturate by 10%, it is **23.1162, 30.3985, 12.8334**.

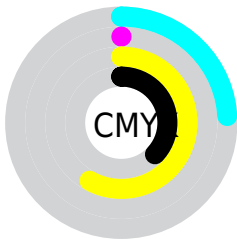
Distribution



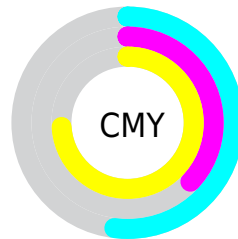
- Red (48%)
- Green (63%)
- Blue (26%)



- Red (26%)
- Yellow (63%)
- Blue (41%)



- Cyan (24%)
- Magenta (0%)
- Yellow (58%)
- Black (37%)





- Cyan (52%)
- Magenta (37%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6100, 29.6844, 9.9009 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 21.6100, 29.6844, 9.9009 by changing the saturation by 10% instead.


 21.6100, 29.6844,
9.9009


 21.6100, 29.6844,
9.9009


253.1736,
300.4306, 200.4224


 13.6856, 19.5992,
5.2286


 45.5842, 59.1627,
26.2138


 7.9826, 12.1040,
2.3209


 62.3648, 79.3246,
38.6915

 4.1355, 6.8146,
0.7429


 82.8281, 103.6141,
54.6080

 1.7791, 3.3464,
0.0000

 107.3395,
132.4157, 74.3819

 0.5050, 1.3151,
0.0000

 136.2644,
166.1138, 98.4318

 0.0000, 0.1529,
0.0000

169.9682,

 0.0000, 0.0000,

205.0927, 127.1761

0.0000

208.8161,
249.7368, 161.0335

■ 21.6100, 29.6844,
9.9009

■ 21.6100, 29.6844,
9.9009

■ 20.3002, 29.0581,
7.6711

■ 23.1162, 30.3985,
12.8334

■ 19.1721, 28.5106,
6.0829

■ 24.8278, 31.2010,
16.5191

■ 18.2123, 28.0372,
5.0680

■ 26.7556, 32.0975,
21.0061

■ 17.3957, 27.6279,
4.5021

■ 28.9089, 33.0918,
26.3379

■ 17.2514, 27.5555,
4.4095

■ 31.2967, 34.1876,
32.5550

■ 33.9270, 35.3883,
39.6951

■ 36.8078, 36.6971,
47.7939

■ 39.9463, 38.1171,
56.8850

■ 43.3497, 39.6513,
67.0006

Harmonies

Analogous

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



27.5025, 29.6844, 7.3888



21.6100, 29.6844, 9.9009



18.0187, 29.6844, 18.0885

Triad

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



21.6100, 29.6844, 9.9009



22.6674, 29.6844, 79.0095



43.5196, 29.6844, 30.3091

Complementary

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



21.6100, 29.6844, 9.9009



14.1792, 9.5564, 34.3566

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.



41.6726, 29.6844, 52.5553



21.6100, 29.6844, 9.9009



28.9379, 29.6844, 86.5308

Square

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



21.6100, 29.6844, 9.9009



18.5562, 29.6844, 57.6336



36.0429, 29.6844, 75.3380



40.7487, 29.6844, 15.7769

Rectangle

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



21.6100, 29.6844, 9.9009



17.0514, 29.6844, 28.0105



36.0429, 29.6844, 75.3380



43.4193, 29.6844, 37.0530

Sweetspot

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



21.6107, 29.6857, 9.9015



52.8173, 60.2341, 48.6589



20.4819, 17.8208, 7.6709



11.4165, 13.1333, 10.2470



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.



21.6107, 29.6857, 9.9015



36.1618, 52.4226, 12.8758



16.5892, 27.0970, 9.6665



6.9078, 7.5851, 7.0857



13.4888, 21.4904, 3.4371



0.2883, 0.4086, 0.0637

Inverse Universe

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



14.1792, 9.5564, 34.3566



21.3865, 12.3108, 61.6356



21.0603, 13.1038, 34.6786



6.5286, 6.5610, 8.3290



6.7083, 2.8873, 26.1110



0.1666, 0.0757, 0.4691

Previews

White Background



This preview shows how the XYZ color 21.6100, 29.6844, 9.9009 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 21.6100, 29.6844, 9.9009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

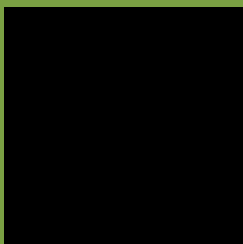
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6100, 29.6844, 9.9009

Background



This preview shows how black text looks on a background with the XYZ color 21.6100, 29.6844, 9.9009.



This preview shows how white text looks on a background with the XYZ color 21.6100, 29.6844,

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

21.6100, 29.6844, 9.9009

Protanopia

26.7970, 29.4312, 8.9711

Deuteranopia

29.9860, 29.4627, 10.2373



Tritanopia

27.2594, 29.4897, 38.4378

Trichromacy



Original Color

21.6100, 29.6844, 9.9009

Protanomaly

24.5481, 29.2162, 9.1960

Deuteranomaly

26.1926, 29.0956, 10.0299

Tritanomaly

24.5923, 29.3893, 24.4552

Monochromacy



Original Color

21.6100, 29.6844, 9.9009

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.7192, 26.6332, 19.2725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6100, 29.6844, 9.9009 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(122, 160, 67)` looks like.

```
.text, #text, p{  
    color:rgb(122, 160, 67)  
}
```

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(122, 160, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 160, 67) }
```

Border

The CSS property to change the border of an element to XYZ 21.6100, 29.6844, 9.9009 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(122, 160, 67) }
```


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

```
.border{ border-color:rgb(122, 160, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 160, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 160, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 160, 67);  
box-shadow:4px 4px 4px 4px rgb(122, 160,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6100, 29.6844, 9.9009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 160, 67) }
```

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

```
.background{ background-color: rgb(122,  
160, 67) }
```

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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