

Converting Colors

XYZ(21.2059, 27.9417, 9.9818)

Have a look what the booklet for
XYZ(21.2059, 27.9417, 9.9818)
contains.

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Color

**XYZ(21.2340, 27.9765,
9.9111)**

Conversions

Conversions Part 1

Format	Color
Hex	7E9A45
RGB	126, 154, 69
RGB Percent	49%, 60%, 27%
CMY	0.5059, 0.3961, 0.7294
CMYK	0.18, 0.00, 0.55, 0.40
HSL	80°, 38%, 44%
HSV	80°, 55%, 60%
XYZ	21.2340, 27.9765, 9.9111
YIQ	135.9380, 10.5970, -32.3710

Conversions

Conversions Part 2

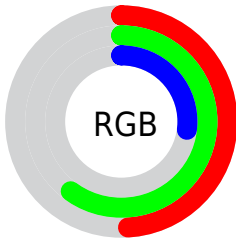
Format	Color
RYB	69, 154, 97
Decimal	8297029
CIELab	59.87, -23.63, 40.84
CIELCh	60, 47.180, 120.049
Yxy	27.9765, 0.3592, 0.4732
Android (android.graphics.Color)	4286487109 (0xFF7E9A45)
YUV	135.9380, -33.0004, -8.7156
Hunter-Lab	52.8928, -20.9030, 25.9152

Details

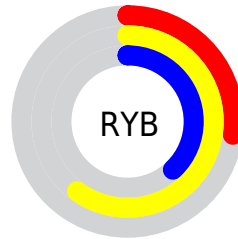
The XYZ color **21.2340, 27.9765, 9.9111** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.8917, 9.1315, 31.6565**, and the grayscale version is **23.4961, 24.7197, 26.9197**.

A 20% lighter version of the original color is **44.7684, 56.1711, 26.2519**, and **7.7835, 11.2000, 2.3239** is the 20% darker color. If you saturate the color by 10%, you get **20.0876, 27.4347, 7.6779**, and if you desaturate by 10%, it is **22.5438, 28.5900, 12.8007**.

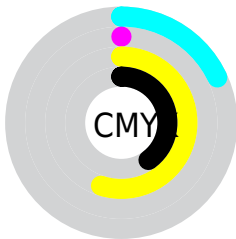
Distribution



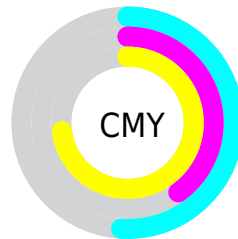
- Red (49%)
- Green (60%)
- Blue (27%)



- Red (27%)
- Yellow (60%)
- Blue (38%)



- Cyan (18%)
- Magenta (0%)
- Yellow (55%)
- Black (40%)



- Cyan (51%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2340, 27.9765, 9.9111 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 21.2340, 27.9765, 9.9111 by changing the saturation by 10% instead.

■ 21.2340, 27.9765,
9.9111

■ 21.2340, 27.9765,
9.9111

251.2277,
292.3546, 200.4981

■ 13.4086, 18.3079,
5.2352

■ 44.9650, 56.4469,
26.2333

■ 7.7894, 11.1713,
2.3248

■ 61.6013, 76.0176,
38.7168

■ 4.0112, 6.1822,
0.7451

■ 81.9053, 99.6577,
54.6399

■ 1.7085, 2.9562,
0.0000

■ 106.2423,
127.7518, 74.4211

■ 0.4616, 1.1089,
0.0000

■ 134.9777,
160.6841, 98.4789

■ 0.0000, 0.0000,
0.0000

168.4768,

198.8390, 127.2320

207.1050,
242.6011, 161.0989

■ 21.2340, 27.9765,
9.9111

■ 21.2340, 27.9765,
9.9111

■ 20.0876, 27.4347,
7.6779

■ 22.5438, 28.5900,
12.8007

■ 19.0922, 26.9566,
6.0477

■ 24.0242, 29.2753,
16.3912

■ 18.2367, 26.5387,
4.9615

■ 25.6846, 30.0370,
20.7252

■ 17.5057, 26.1748,
4.3421

■ 27.5327, 30.8784,
25.8413

■ 17.1804, 26.0118,
4.1153

■ 29.5758, 31.8025,
31.7756

■ 31.8210, 32.8120,
38.5619

■ 34.2747, 33.9097,
46.2319

■ 36.9431, 35.0981,
54.8161

■ 39.8323, 36.3796,
64.3431

Harmonies

Analogous

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



26.5809, 27.9765, 7.9596



21.2340, 27.9765, 9.9111



17.8133, 27.9765, 16.7910

Triad

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



21.2340, 27.9765, 9.9111



21.2488, 27.9765, 68.8765



39.8403, 27.9765, 30.4333

Complementary

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



21.2340, 27.9765, 9.9111



12.8917, 9.1315, 31.6565

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.



37.8616, 27.9765, 50.0590



21.2340, 27.9765, 9.9111



26.6007, 27.9765, 76.7412

Square

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



21.2340, 27.9765, 9.9111



17.8209, 27.9765, 50.1274



32.7804, 27.9765, 68.8277



37.8490, 27.9765, 16.7580

Rectangle

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



21.2340, 27.9765, 9.9111



16.7894, 27.9765, 25.1135



32.7804, 27.9765, 68.8277



39.6141, 27.9765, 36.5198

Sweetspot

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



21.2347, 27.9777, 9.9117



49.2627, 55.7497, 44.8223



18.5769, 15.6512, 7.6725



11.0076, 12.5537, 9.7460



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.2347, 27.9777, 9.9117



36.0815, 49.6402, 13.2279



16.3393, 25.4541, 9.6826



6.5110, 7.1209, 6.6371



14.0354, 21.2114, 3.3545



0.2478, 0.3367, 0.0519

Inverse Universe

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



12.8917, 9.1315, 31.6565



19.4125, 11.8965, 56.8094



18.5122, 12.0290, 31.9196



6.0666, 6.1202, 7.7905



5.8881, 2.4865, 25.0773



0.1236, 0.0555, 0.3766

Previews

White Background



This preview shows how the XYZ color 21.2340, 27.9765, 9.9111 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 21.2340, 27.9765, 9.9111 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 21.2340, 27.9765, 9.9111

Background



This preview shows how black text looks on a background with the XYZ color 21.2340, 27.9765, 9.9111.



This preview shows how white text looks on a background with the XYZ color 21.2340, 27.9765,

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

21.2340, 27.9765, 9.9111

Protanopia

25.4538, 27.8134, 9.1812

Deuteranopia

28.3132, 27.7328, 10.3393



Tritanopia

26.4427, 27.9695, 35.4575

Trichromacy



Original Color

21.2340, 27.9765, 9.9111

Protanomaly

23.8158, 27.8810, 9.4365

Deuteranomaly

25.0927, 27.3819, 10.0936

Tritanomaly

23.9009, 27.6216, 23.1406

Monochromacy



Original Color

21.2340, 27.9765, 9.9111

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.2628, 25.7203, 19.1204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2340, 27.9765, 9.9111 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(126, 154, 69)` looks like.

```
.text, #text, p{  
    color:rgb(126, 154, 69)  
}
```

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(126, 154, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 154, 69) }
```

Border

The CSS property to change the border of an element to XYZ 21.2340, 27.9765, 9.9111 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(126, 154, 69) }
```


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

```
.border{ border-color:rgb(126, 154, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 154, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 154, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 154, 69);  
box-shadow:4px 4px 4px 4px rgb(126, 154,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2340, 27.9765, 9.9111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 154, 69) }
```

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

```
.background{ background-color: rgb(126,  
154, 69) }
```

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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