

Converting Colors

XYZ(21.2482, 22.2729, 3.1792)

Have a look what the booklet for
XYZ(21.2482, 22.2729, 3.1792)
contains.

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Color

**XYZ(21.2997, 22.2467,
3.1714)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7F00
RGB	156, 127, 0
RGB Percent	61%, 50%, 0%
CMY	0.3882, 0.5019, 1.0000
CMYK	0.00, 0.19, 1.00, 0.39
HSL	49°, 100%, 31%
HSV	49°, 100%, 61%
XYZ	21.2997, 22.2467, 3.1714
YIQ	121.1930, 58.0510, -33.3490

Conversions

Conversions Part 2

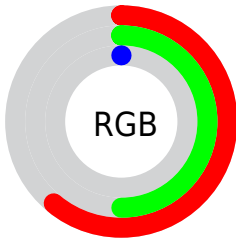
Format	Color
R_{YB}	36, 156, 0
Decimal	10256128
CIE _{Lab}	54.29, 0.74, 59.65
CIE _{LCh}	54, 59.655, 89.291
Yxy	22.2467, 0.4559, 0.4762
Android (android.graphics.Color)	4288446208 (0xFF9C7F00)
YUV	121.1930, -59.7481, 30.5257
Hunter-Lab	47.1664, -1.9331, 29.0299

Details

The XYZ color **21.2997, 22.2467, 3.1714** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.4402, 3.2792, 31.7458**, and the grayscale version is **18.4115, 19.3703, 21.0943**.

A 20% lighter version of the original color is **44.8648, 46.9416, 12.0062**, and **7.9799, 8.1581, 1.1541** is the 20% darker color. If you saturate the color by 10%, you get **21.3000, 22.2474, 3.1715**, and if you desaturate by 10%, it is **21.7707, 23.0439, 3.7755**.

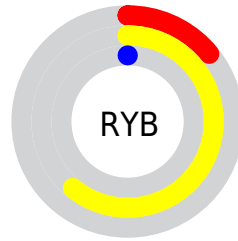
Distribution



Red (61%)

Green (50%)

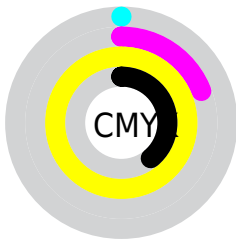
Blue (0%)



Red (14%)

Yellow (61%)

Blue (0%)

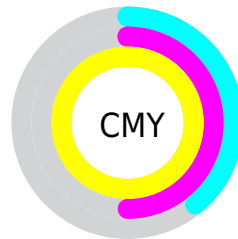


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2997, 22.2467, 3.1714 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 21.2997, 22.2467, 3.1714 by changing the saturation by 10% instead.

■ 21.2997, 22.2467,
3.1714

■ 21.2997, 22.2467,
3.1714

251.5687,
263.8319, 138.5146

■ 13.4570, 14.0383,
1.1828

■ 45.0733, 47.1534,
12.0485

■ 7.8231, 8.1473,
0.0000

■ 61.7349, 64.6205,
19.7741

■ 4.0328, 4.1893,
0.0000

■ 82.0668, 85.9426,
30.2492

■ 1.7207, 1.7800,
0.0000

■ 106.4344,
111.5040, 43.8922

■ 0.4692, 0.4747,
0.0000

■ 135.2030,
141.6893, 61.1217

■ 0.0000, 0.0000,
0.0000

■ 168.7380,

176.8828, 82.3562

■ 207.4048,
217.4689, 108.0143

■ 21.2997, 22.2467,
3.1714

■ 21.2997, 22.2467,
3.1714

■ 21.3000, 22.2474,
3.1715

■ 21.7707, 23.0439,
3.7755

■ 22.3210, 23.8893,
4.7454

■ 22.9819, 24.7964,
6.2439

■ 23.7662, 25.7707,
8.3379

■ 24.6848, 26.8164,
11.0842

■ 25.7473, 27.9376,
14.5330

■ 26.9625, 29.1380,
18.7297

■ 28.3381, 30.4207,
23.7158

■ 29.8818, 31.7890,
29.5297

Harmonies

Analogous

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



28.1863, 22.2467, 4.6476



21.2997, 22.2467, 3.1714



15.6037, 22.2467, 4.5020

Triad

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



21.2997, 22.2467, 3.1714



12.0150, 22.2467, 46.2775



33.8044, 22.2467, 47.4676

Complementary

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



21.2997, 22.2467, 3.1714



6.4402, 3.2792, 31.7458

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.



27.8634, 22.2467, 70.7317



21.2997, 22.2467, 3.1714



15.3862, 22.2467, 69.8316

Square

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



21.2997, 22.2467, 3.1714



10.9530, 22.2467, 23.7831



20.9907, 22.2467, 80.4868



36.2547, 22.2467, 24.6681

Rectangle

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



21.2997, 22.2467, 3.1714



13.0195, 22.2467, 7.5810



20.9907, 22.2467, 80.4868



32.0966, 22.2467, 55.8459

Sweetspot

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



21.3002, 22.2478, 3.1718



48.8317, 52.7886, 33.5227



13.9603, 7.1681, 1.9584



10.5497, 11.4256, 6.6930



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.



21.3002, 22.2478, 3.1718



38.5529, 40.1394, 5.7157



18.2200, 27.0408, 4.2593



7.0653, 7.5106, 7.0630



17.5682, 18.3719, 2.6202



0.3390, 0.3782, 0.0551

Inverse Universe

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



6.4402, 3.2792, 31.7458



11.5896, 5.7407, 57.6240



7.1641, 3.0002, 31.6538



6.3796, 6.6249, 8.3492



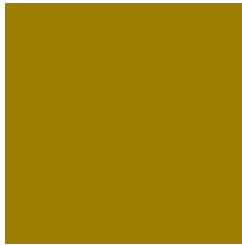
5.3243, 2.7402, 26.1555



0.1192, 0.0971, 0.4757

Previews

White Background



This preview shows how the XYZ color 21.2997, 22.2467, 3.1714 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 21.2997, 22.2467, 3.1714 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 21.2997, 22.2467, 3.1714

Background



This preview shows how black text looks on a background with the XYZ color 21.2997, 22.2467, 3.1714.



This preview shows how white text looks on a background with the XYZ color 21.2997, 22.2467,

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

21.2997, 22.2467, 3.1714

Protanopia

20.0481, 22.1815, 3.3971

Deuteranopia

22.6664, 22.1918, 3.4366



Tritanopia

25.4135, 22.2757, 23.0389

Trichromacy



Original Color

21.2997, 22.2467, 3.1714

Protanomaly

20.4498, 22.1933, 3.3208

Deuteranomaly

22.1518, 22.1142, 3.3307

Tritanomaly

22.8198, 21.7424, 10.7786

Monochromacy



Original Color

21.2997, 22.2467, 3.1714

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2540, 19.7701, 9.8751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2997, 22.2467, 3.1714 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(156, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 127, 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(156, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.2997, 22.2467, 3.1714 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(156, 127, 0) }
```


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

```
.border{ border-color:rgb(156, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2997, 22.2467, 3.1714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 127, 0) }
```

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

```
.background{ background-color: rgb(156,  
127, 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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