

Converting Colors

XYZ(21.7832, 22.2795, 4.3147)

Have a look what the booklet for
XYZ(21.7832, 22.2795, 4.3147)
contains.

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Color

**XYZ(21.7832, 22.2795,
4.3147)**

Conversions

Conversions Part 1

Format	Color
Hex	9E7E1D
RGB	158, 126, 29
RGB Percent	62%, 49%, 11%
CMY	0.3804, 0.5059, 0.8863
CMYK	0.00, 0.20, 0.82, 0.38
HSL	45°, 69%, 37%
HSV	45°, 82%, 62%
XYZ	21.7832, 22.2795, 4.3147
YIQ	124.5100, 50.2090, -23.3830

Conversions

Conversions Part 2

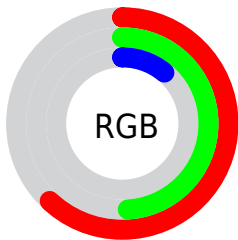
Format	Color
RYB	72, 158, 29
Decimal	10386973
CIELab	54.32, 2.87, 53.06
CIElCh	54, 53.137, 86.904
Yxy	22.2795, 0.4503, 0.4605
Android (android.graphics.Color)	4288577053 (0xFF9E7E1D)
YUV	124.5100, -47.0864, 29.3707
Hunter-Lab	47.2012, -0.2248, 27.6211

Details

The XYZ color **21.7832, 22.2795, 4.3147** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.3471, 6.0673, 33.0788**, and the grayscale version is **19.4702, 20.4841, 22.3072**.

A 20% lighter version of the original color is **45.7623, 47.0489, 14.6521**, and **8.1334, 8.1325, 1.1411** is the 20% darker color. If you saturate the color by 10%, you get **21.1445, 21.2387, 3.3728**, and if you desaturate by 10%, it is **22.5428, 23.4019, 5.7918**.

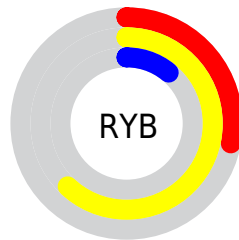
Distribution



Red (62%)

Green (49%)

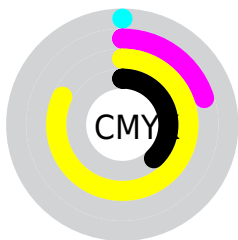
Blue (11%)



Red (28%)

Yellow (62%)

Blue (11%)

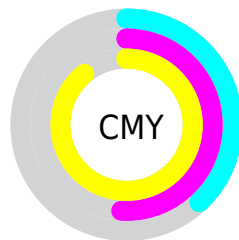


Cyan (0%)

Magenta (20%)

Yellow (82%)

Black (38%)



Cyan (38%)

Magenta (51%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7832, 22.2795, 4.3147 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 21.7832, 22.2795, 4.3147 by changing the saturation by 10% instead.

■ 21.7832, 22.2795,
4.3147

■ 21.7832, 22.2795,
4.3147

254.0657,
264.0024, 151.6615

■ 13.8134, 14.0624,
1.7995

■ 45.8689, 47.2075,
14.7293

■ 8.0718, 8.1641,
0.4276

■ 62.7156, 64.6872,
23.4658

■ 4.1931, 4.2001,
0.0000

■ 83.2519, 86.0233,
35.1131

■ 1.8120, 1.7861,
0.0000

■ 107.8432,
111.6001, 50.0899

■ 0.5249, 0.4785,
0.0000

■ 136.8549,
141.8020, 68.8145

■ 0.0000, 0.0000,
0.0000

■ 170.6523,

177.0134, 91.7057

209.6008,
217.6188, 119.1818

21.7832, 22.2795,
4.3147

21.7832, 22.2795,
4.3147

21.1445, 21.2387,
3.3728

22.5428, 23.4019,
5.7918

20.6747, 20.4176,
2.8513

23.4355, 24.6083,
7.8739

24.4733, 25.9050,
10.6217

25.6667, 27.2963,
14.0880

27.0247, 28.7862,
18.3205

■ 28.5558, 30.3785,
23.3625

■ 30.2678, 32.0766,
29.2543

■ 32.1681, 33.8838,
36.0333

■ 34.2636, 35.8030,
43.7349

Harmonies

Analogous

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



27.8578, 22.2795, 6.1483



21.7832, 22.2795, 4.3147



16.5258, 22.2795, 5.4839

Triad

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



21.7832, 22.2795, 4.3147



12.7163, 22.2795, 41.7422



31.9432, 22.2795, 46.1748

Complementary

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



21.7832, 22.2795, 4.3147



8.3471, 6.0673, 33.0788

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.



26.6257, 22.2795, 65.2657



21.7832, 22.2795, 4.3147



15.6584, 22.2795, 61.9898

Square

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



21.7832, 22.2795, 4.3147



11.8885, 22.2795, 22.5764



20.5802, 22.2795, 72.0775



34.3567, 22.2795, 26.0223

Rectangle

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



21.7832, 22.2795, 4.3147



14.0404, 22.2795, 8.3410



20.5802, 22.2795, 72.0775



30.3936, 22.2795, 53.2261

Sweetspot

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



21.7837, 22.2806, 4.3151



51.0389, 54.3311, 39.6854



15.3891, 8.4877, 5.2779



11.2942, 12.0285, 8.2458



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.



21.7837, 22.2806, 4.3151



37.5753, 37.1019, 5.2996



21.0161, 28.9590, 5.6447



7.0307, 7.4415, 7.0515



16.5906, 16.4167, 2.2943



0.3275, 0.3552, 0.0513

Inverse Universe

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



8.3471, 6.0673, 33.0788



12.5942, 7.1796, 59.4655



8.5511, 4.3477, 32.7361



6.4118, 6.6893, 8.3599



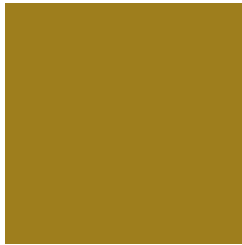
5.5562, 3.2040, 26.2328



0.1296, 0.1177, 0.4791

Previews

White Background



This preview shows how the XYZ color 21.7832, 22.2795, 4.3147 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 21.7832, 22.2795, 4.3147 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 21.7832, 22.2795, 4.3147

Background



This preview shows how black text looks on a background with the XYZ color 21.7832, 22.2795, 4.3147.



This preview shows how white text looks on a background with the XYZ color 21.7832, 22.2795,

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

21.7832, 22.2795, 4.3147

Protanopia

20.0710, 22.1700, 4.4497

Deuteranopia

22.6271, 22.1522, 4.3115



Tritanopia

25.4370, 22.1215, 22.6679

Trichromacy



Original Color

21.7832, 22.2795, 4.3147

Protanomaly

20.6623, 22.2783, 4.4394

Deuteranomaly

22.3423, 22.1904, 4.3339

Tritanomaly

23.5051, 21.8697, 12.8799

Monochromacy



Original Color

21.7832, 22.2795, 4.3147

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.4956, 20.7238, 12.6454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7832, 22.2795, 4.3147 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(158, 126, 29)` looks like.

```
.text, #text, p{  
    color:rgb(158, 126, 29)  
}
```

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(158, 126, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 126, 29) }
```

Border

The CSS property to change the border of an element to XYZ 21.7832, 22.2795, 4.3147 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(158, 126, 29) }
```


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

```
.border{ border-color:rgb(158, 126, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 126, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 126, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 126, 29);  
box-shadow:4px 4px 4px 4px rgb(158, 126,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7832, 22.2795, 4.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 126, 29) }
```

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

```
.background{ background-color: rgb(158,  
126, 29) }
```

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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