

Converting Colors

XYZ(22.5189, 21.7996, 9.6661)

Have a look what the booklet for
XYZ(22.5189, 21.7996, 9.6661)
contains.

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Color

**XYZ(22.5276, 21.7980,
9.6767)**

Conversions

Conversions Part 1

Format	Color
Hex	9F7A4B
RGB	159, 122, 75
RGB Percent	62%, 48%, 29%
CMY	0.3765, 0.5216, 0.7059
CMYK	0.00, 0.23, 0.53, 0.38
HSL	34°, 36%, 46%
HSV	34°, 53%, 62%
XYZ	22.5276, 21.7980, 9.6767
YIQ	127.7050, 37.1390, -6.7730

Conversions

Conversions Part 2

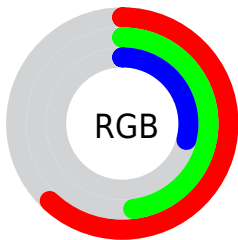
Format	Color
RYB	141, 159, 75
Decimal	10451531
CIELab	53.81, 8.52, 31.11
CIELCh	54, 32.258, 74.693
Yxy	21.7980, 0.4172, 0.4036
Android (android.graphics.Color)	4288641611 (0xFF9F7A4B)
YUV	127.7050, -25.9836, 27.4457
Hunter-Lab	46.6883, 4.4235, 20.3933

Details

The XYZ color **22.5276, 21.7980, 9.6767** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.9535, 15.5867, 35.0211**, and the grayscale version is **20.4942, 21.5615, 23.4805**.

A 20% lighter version of the original color is **47.1566, 46.3517, 25.8634**, and **8.4300, 7.8571, 2.2347** is the 20% darker color. If you saturate the color by 10%, you get **21.2210, 19.9495, 6.8837**, and if you desaturate by 10%, it is **24.0333, 23.8269, 13.2076**.

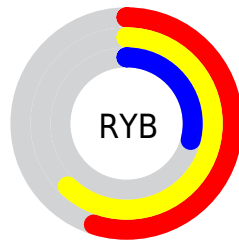
Distribution



Red (62%)

Green (48%)

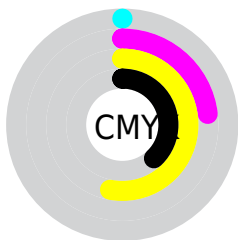
Blue (29%)



Red (55%)

Yellow (62%)

Blue (29%)

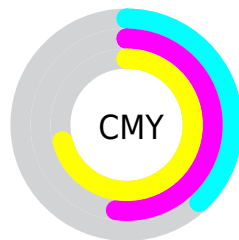


Cyan (0%)

Magenta (23%)

Yellow (53%)

Black (38%)



Cyan (38%)

Magenta (52%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5276, 21.7980, 9.6767 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 22.5276, 21.7980, 9.6767 by changing the saturation by 10% instead.

■ 22.5276, 21.7980,
9.6767

■ 22.5276, 21.7980,
9.6767

257.8702,
261.4896, 198.7490

■ 14.3639, 13.7085,
5.0823

■ 47.0889, 46.4119,
25.7838

■ 8.4576, 7.9182,
2.2361

■ 64.2171, 63.7052,
38.1337

■ 4.4433, 4.0427,
0.6951

■ 85.0642, 84.8351,
53.9058

■ 1.9559, 1.6975,
0.0000

■ 109.9955,
110.1862, 73.5187

■ 0.6090, 0.4220,
0.0000

■ 139.3764,
140.1428, 97.3910

■ 0.0000, 0.0000,
0.0000

173.5723,

175.0893, 125.9411

212.9484,
215.4101, 159.5876

■ 22.5276, 21.7980,
9.6767

■ 22.5276, 21.7980,
9.6767

■ 21.2210, 19.9495,
6.8837

■ 24.0333, 23.8269,
13.2076

■ 20.1002, 18.2717,
4.7723

■ 25.7470, 26.0394,
17.5243

■ 19.1526, 16.7580,
3.2805

■ 27.6789, 28.4422,
22.6721

■ 18.3629, 15.4002,
2.3336

■ 29.8380, 31.0410,
28.6925

■ 17.8680, 14.5109,
1.8591

■ 32.2327, 33.8409,
35.6243

■ 34.8710, 36.8469,
43.5037

■ 37.7604, 40.0638,
52.3653

■ 40.9083, 43.4962,
62.2415

■ 44.3213, 47.1485,
73.1636

Harmonies

Analogous

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



25.8251, 21.7980, 12.6844



22.5276, 21.7980, 9.6767



19.0739, 21.7980, 9.6476

Triad

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



22.5276, 21.7980, 9.6767



14.9185, 21.7980, 28.9106



25.7666, 21.7980, 40.0483

Complementary

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



22.5276, 21.7980, 9.6767



14.9535, 15.5867, 35.0211

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.



22.4547, 21.7980, 47.3911



22.5276, 21.7980, 9.6767



16.3335, 21.7980, 39.8434

Square

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



22.5276, 21.7980, 9.6767



14.9333, 21.7980, 19.0447



19.0087, 21.7980, 47.3071



27.8323, 21.7980, 29.1368

Rectangle

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



22.5276, 21.7980, 9.6767



17.1526, 21.7980, 11.2479



19.0087, 21.7980, 47.3071



24.7468, 21.7980, 43.1353

Sweetspot

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



22.5281, 21.7991, 9.6771



52.0465, 53.9342, 47.4575



19.7836, 13.5910, 17.1446



11.5649, 11.9565, 10.2273



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.



22.5281, 21.7991, 9.6771



37.7111, 35.2988, 11.7407



27.1473, 32.2529, 11.4515



6.9254, 7.2308, 7.0163



14.1549, 11.5455, 1.4825



0.2949, 0.2899, 0.0404

Inverse Universe

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



14.9535, 15.5867, 35.0211



22.7103, 23.0140, 61.9886



12.0154, 9.2064, 33.9445



6.5131, 6.8920, 8.3937



6.7144, 5.5203, 26.6189



0.1615, 0.1816, 0.4898

Previews

White Background



This preview shows how the XYZ color 22.5276, 21.7980, 9.6767 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 22.5276, 21.7980, 9.6767 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 22.5276, 21.7980, 9.6767

Background



This preview shows how black text looks on a background with the XYZ color 22.5276, 21.7980, 9.6767.



This preview shows how white text looks on a background with the XYZ color 22.5276, 21.7980,

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

22.5276, 21.7980, 9.6767

Protanopia

20.2099, 21.9133, 10.3722

Deuteranopia

22.2576, 21.8420, 9.6994



Tritanopia

25.0513, 21.7580, 22.2814

Trichromacy



Original Color

22.5276, 21.7980, 9.6767

Protanomaly

21.0132, 21.7534, 10.1125

Deuteranomaly

22.4535, 21.9430, 9.7086

Tritanomaly

24.0326, 21.6998, 16.8317

Monochromacy



Original Color

22.5276, 21.7980, 9.6767

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8686, 21.5148, 17.5209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5276, 21.7980, 9.6767 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(159, 122, 75)` looks like.

```
.text, #text, p{  
    color:rgb(159, 122, 75)  
}
```

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(159, 122, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 122, 75) }
```

Border

The CSS property to change the border of an element to XYZ 22.5276, 21.7980, 9.6767 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(159, 122, 75) }
```


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

```
.border{ border-color:rgb(159, 122, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 122, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 122, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 122, 75);  
box-shadow:4px 4px 4px 4px rgb(159, 122,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5276, 21.7980, 9.6767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 122, 75) }
```

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

```
.background{ background-color: rgb(159,  
122, 75) }
```

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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