

Converting Colors

XYZ(21.5690, 22.2579, 13.4648)

Have a look what the booklet for
XYZ(21.5690, 22.2579, 13.4648)
contains.

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Color

**XYZ(21.7276, 22.4317,
13.5405)**

Conversions

Conversions Part 1

Format	Color
Hex	93805D
RGB	147, 128, 93
RGB Percent	58%, 50%, 36%
CMY	0.4235, 0.4980, 0.6353
CMYK	0.00, 0.13, 0.37, 0.42
HSL	39°, 22%, 47%
HSV	39°, 37%, 58%
XYZ	21.7276, 22.4317, 13.5405
YIQ	129.6910, 22.5590, -6.8570

Conversions

Conversions Part 2

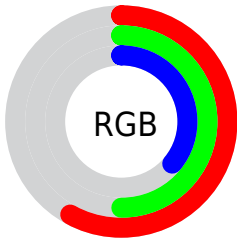
Format	Color
R_{YB}	122, 147, 93
Decimal	9666653
CIE _{Lab}	54.48, 1.92, 21.69
CIE _{LCh}	54, 21.777, 84.940
Yxy	22.4317, 0.3766, 0.3888
Android (android.graphics.Color)	4287856733 (0xFF93805D)
YUV	129.6910, -18.0887, 15.1800
Hunter-Lab	47.3621, -0.9960, 16.2029

Details

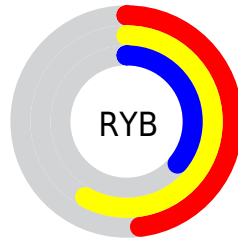
The XYZ color **21.7276, 22.4317, 13.5405** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5747, 16.0216, 29.8755**, and the grayscale version is **21.1657, 22.2679, 24.2498**.

A 20% lighter version of the original color is **45.9150, 47.6179, 33.1568**, and **8.0084, 8.2221, 3.7497** is the 20% darker color. If you saturate the color by 10%, you get **20.4808, 20.8818, 10.2156**, and if you desaturate by 10%, it is **23.1351, 24.1025, 17.5370**.

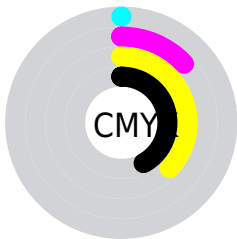
Distribution



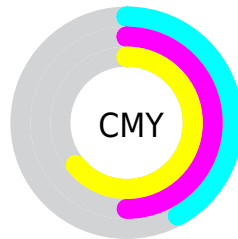
- Red (58%)
- Green (50%)
- Blue (36%)



- Red (48%)
- Yellow (58%)
- Blue (36%)



- Cyan (0%)
- Magenta (13%)
- Yellow (37%)
- Black (42%)



- Cyan (42%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7276, 22.4317, 13.5405 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 21.7276, 22.4317, 13.5405 by changing the saturation by 10% instead.

■ 21.7276, 22.4317,
13.5405

■ 21.7276, 22.4317,
13.5405

253.7796,
264.7925, 225.6814

■ 13.7724, 14.1744,
7.6667

■ 45.7776, 47.4585,
32.9768

■ 8.0432, 8.2421,
3.7977

■ 62.6030, 64.9968,
47.3763

■ 4.1746, 4.2503,
1.5150

■ 83.1159, 86.3976,
65.4548

■ 1.8014, 1.8145,
0.2291

■ 107.6816,
112.0452, 87.6309

■ 0.5185, 0.4962,
0.0000

136.6655,
142.3242, 114.3231

■ 0.0000, 0.0000,
0.0000

170.4329,

177.6188, 145.9498

209.3491,
218.3134, 182.9297

■ 21.7276, 22.4317,
13.5405

■ 21.7276, 22.4317,
13.5405

■ 20.4808, 20.8818,
10.2156

■ 23.1351, 24.1025,
17.5370

■ 19.3854, 19.4459,
7.5229

■ 24.7087, 25.8947,
22.2389

■ 18.4333, 18.1207,
5.4209

■ 26.4557, 27.8129,
27.6791

■ 17.6153, 16.9016,
3.8625

■ 28.3822, 29.8602,
33.8882

■ 16.9204, 15.7835,
2.7935

■ 30.4943, 32.0399,
40.8951

■ 16.3314, 14.7585,
2.1258

■ 32.7975, 34.3548,
48.7270

■ 16.1507, 14.4392,
1.9358

■ 35.2971, 36.8078,
57.4100

■ 37.9984, 39.4018,
66.9689

■ 40.9062, 42.1393,
77.4276

Harmonies

Analogous

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



24.0643, 22.4317, 15.1756



21.7276, 22.4317, 13.5405



19.4452, 22.4317, 14.3478

Triad

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



21.7276, 22.4317, 13.5405



17.4277, 22.4317, 30.3901



25.2982, 22.4317, 32.7702

Complementary

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



21.7276, 22.4317, 13.5405



15.5747, 16.0216, 29.8755

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.



23.3130, 22.4317, 38.3702



21.7276, 22.4317, 13.5405



18.7939, 22.4317, 36.8263

Square

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



21.7276, 22.4317, 13.5405



17.0719, 22.4317, 23.2844



20.9188, 22.4317, 39.9777



26.2216, 22.4317, 25.6008

Rectangle

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



21.7276, 22.4317, 13.5405



18.2432, 22.4317, 16.2588



20.9188, 22.4317, 39.9777



24.7260, 22.4317, 34.9478

Sweetspot

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



21.7282, 22.4327, 13.5410



45.9338, 48.2375, 45.0255



18.9166, 15.2198, 17.5048



10.3991, 10.9165, 10.0089



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.7282, 22.4327, 13.5410



37.0661, 37.8888, 19.2972



23.1912, 27.2160, 14.3871



6.0955, 6.4047, 6.1554



14.0256, 12.5655, 1.6862



0.1994, 0.2093, 0.0299

Inverse Universe

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



15.5747, 16.0216, 29.8755



24.4105, 24.7117, 52.9178



14.4587, 12.6563, 29.2847



5.6565, 5.9469, 7.3195



5.6409, 3.9765, 24.4013



0.0948, 0.1002, 0.3073

Previews

White Background



This preview shows how the XYZ color 21.7276, 22.4317, 13.5405 looks on a white background.

Color Contrast Check

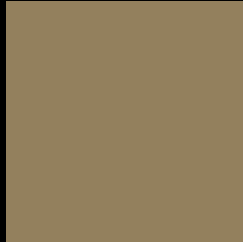
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7276, 22.4317, 13.5405 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 21.7276, 22.4317, 13.5405

Background



This preview shows how black text looks on a background with the XYZ color 21.7276, 22.4317, 13.5405.



This preview shows how white text looks on a background with the XYZ color 21.7276, 22.4317,

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

21.7276, 22.4317, 13.5405

Protanopia

20.8182, 22.3489, 13.8062

Deuteranopia

22.8716, 22.4439, 13.7163



Tritanopia

24.0103, 22.4112, 24.8901

Trichromacy



Original Color

21.7276, 22.4317, 13.5405

Protanomaly

21.1983, 22.3483, 13.7861

Deuteranomaly

22.4301, 22.4053, 13.7321

Tritanomaly

23.1813, 22.4593, 20.2528

Monochromacy



Original Color

21.7276, 22.4317, 13.5405

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.2145, 22.2191, 20.0002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7276, 22.4317, 13.5405 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(147, 128, 93)` looks like.

```
.text, #text, p{  
    color:rgb(147, 128, 93)  
}
```

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(147, 128, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 128, 93) }
```

Border

The CSS property to change the border of an element to XYZ 21.7276, 22.4317, 13.5405 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(147, 128, 93) }
```


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

```
.border{ border-color:rgb(147, 128, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 128, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 128, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 128, 93);  
box-shadow:4px 4px 4px 4px rgb(147, 128,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7276, 22.4317, 13.5405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 128, 93) }
```

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

```
.background{ background-color: rgb(147,  
128, 93) }
```

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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