

Converting Colors

XYZ(10.9295, 21.2326, 14.2765)

Have a look what the booklet for
XYZ(10.9295, 21.2326, 14.2765)
contains.

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Color

**XYZ(12.6555, 22.0060,
14.4071)**

Conversions

Conversions Part 1

Format	Color
Hex	00945F
RGB	0, 148, 95
RGB Percent	0%, 58%, 37%
CMY	0.9999, 0.4196, 0.6274
CMYK	1.00, 0.00, 0.36, 0.42
HSL	159°, 100%, 29%
HSV	159°, 100%, 58%
XYZ	12.6555, 22.0060, 14.4071
YIQ	97.7060, -71.1950, -47.8590

Conversions

Conversions Part 2

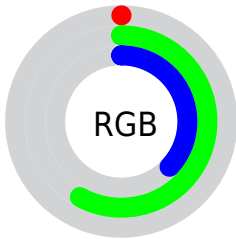
Format	Color
RYB	0, 90, 148
Decimal	37983
CIELab	54.03, -46.55, 18.83
CIELCh	54, 50.214, 157.973
Yxy	22.0060, 0.2579, 0.4485
Android (android.graphics.Color)	4278228063 (0xFF00945F)
YUV	97.7060, -1.3341, -85.6882
Hunter-Lab	46.9106, -33.9378, 14.6283

Details

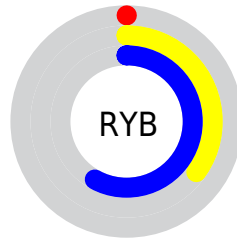
The XYZ color **12.6555, 22.0060, 14.4071** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.8562, 6.5536, 3.9572**, and the grayscale version is **11.5536, 12.1552, 13.2371**.

A 20% lighter version of the original color is **30.2906, 46.7185, 34.6152**, and **4.7164, 8.5791, 4.2037** is the 20% darker color. If you saturate the color by 10%, you get **12.6557, 22.0067, 14.4064**, and if you desaturate by 10%, it is **13.0992, 22.2065, 15.7293**.

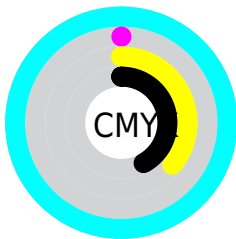
Distribution



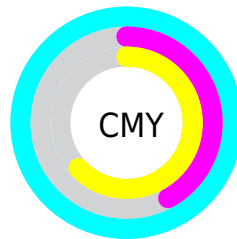
- Red (0%)
- Green (58%)
- Blue (37%)



- Red (0%)
- Yellow (35%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6555, 22.0060, 14.4071 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 12.6555, 22.0060, 14.4071 by changing the saturation by 10% instead.

■ 12.6555, 22.0060,
14.4071

■ 12.6555, 22.0060,
14.4071

202.3804,
262.5776, 231.2647

■ 7.2671, 13.8613,
8.2624

■ 30.2901, 46.7559,
34.5371

■ 3.6775, 8.0243,
4.1731

■ 43.2670, 64.1299,
49.3595

■ 1.5214, 4.1105,
1.7208

■ 59.5041, 85.3492,
67.9115

■ 0.3403, 1.7356,
0.3749

■ 79.3668, 110.7980,
90.6116

■ 0.0000, 0.4465,
0.0000

■ 103.2204,
140.8609, 117.8785

■ 0.0000, 0.0000,
0.0000

■ 131.4303,

175.9222, 150.1306

164.3619,
216.3663, 187.7865

■ 12.6555, 22.0060,
14.4071

■ 12.6555, 22.0060,
14.4071

■ 12.6557, 22.0067,
14.4064

■ 13.0992, 22.2065,
15.7293

■ 13.6954, 22.4831,
17.1455

■ 14.5108, 22.8708,
18.6608

■ 15.5709, 23.3826,
20.2779

■ 16.8977, 24.0298,
21.9994

■ 18.5104, 24.8225,
23.8277

■ 20.4267, 25.7694,
25.7651

■ 22.6626, 26.8790,
27.8137

■ 25.2329, 28.1589,
29.9755

Harmonies

Analogous

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



15.1287, 22.0060, 7.2769



12.6555, 22.0060, 14.4071



12.1885, 22.0060, 28.3507

Triad

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



12.6555, 22.0060, 14.4071



22.3974, 22.0060, 67.4310



30.2703, 22.0060, 9.8728

Complementary

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



12.6555, 22.0060, 14.4071



12.8562, 6.5536, 3.9572

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.



33.0493, 22.0060, 20.0492



12.6555, 22.0060, 14.4071



28.0180, 22.0060, 56.0950

Square

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



12.6555, 22.0060, 14.4071



17.2405, 22.0060, 63.7273



32.1607, 22.0060, 37.0117



25.0801, 22.0060, 5.5598

Rectangle

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



12.6555, 22.0060, 14.4071



12.9856, 22.0060, 40.8949



32.1607, 22.0060, 37.0117



31.5550, 22.0060, 12.4966

Sweetspot

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



12.6561, 22.0069, 14.4076



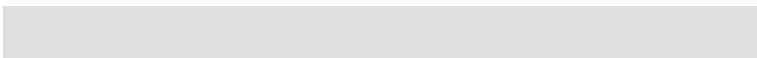
35.8193, 45.3577, 45.2463



12.1265, 21.9725, 3.6024



7.8693, 10.2021, 10.0257



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.



12.6561, 22.0069, 14.4076



22.2453, 38.7947, 24.9746



13.1001, 17.6473, 30.7337



5.8768, 6.5273, 6.9623



10.8229, 18.8020, 12.3749



0.1466, 0.2358, 0.2258

Inverse Universe

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



12.8562, 6.5536, 3.9572



22.6073, 11.5322, 6.5826



12.4589, 6.7875, 0.6539



5.8815, 5.8477, 6.4821



10.9927, 5.6021, 3.4427



0.1477, 0.0738, 0.1114

Previews

White Background



This preview shows how the XYZ color 12.6555, 22.0060, 14.4071 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 12.6555, 22.0060, 14.4071 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

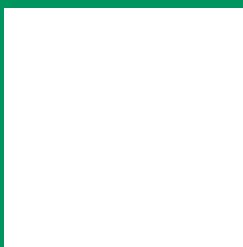
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6555, 22.0060, 14.4071

Background



This preview shows how black text looks on a background with the XYZ color 12.6555, 22.0060, 14.4071.



This preview shows how white text looks on a background with the XYZ color 12.6555, 22.0060,

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

12.6555, 22.0060, 14.4071

Protanopia

20.0869, 21.6154, 12.1303

Deuteranopia

22.0096, 21.5895, 15.3191



Tritanopia

16.6085, 22.0468, 33.0859

Trichromacy



Original Color

12.6555, 22.0060, 14.4071

Protanomaly

14.5339, 20.1408, 12.7944

Deuteranomaly

15.2227, 19.8363, 14.8308

Tritanomaly

14.6972, 21.9085, 24.9269

Monochromacy



Original Color

12.6555, 22.0060, 14.4071

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.3897, 14.3780, 13.5369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6555, 22.0060, 14.4071 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(0, 148, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 95)  
}
```

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(0, 148, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.6555, 22.0060, 14.4071 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(0, 148, 95) }
```


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

```
.border{ border-color:rgb(0, 148, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6555, 22.0060, 14.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 95) }
```

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

```
.background{ background-color: rgb(0, 148,  
95) }
```

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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