

Converting Colors

XYZ(13.9443, 21.9986, 9.6958)

Have a look what the booklet for
XYZ(13.9443, 21.9986, 9.6958)
contains.

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Color

**XYZ(13.9676, 22.0964,
9.6598)**

Conversions

Conversions Part 1

Format	Color
Hex	489148
RGB	72, 145, 72
RGB Percent	28%, 57%, 28%
CMY	0.7176, 0.4314, 0.7176
CMYK	0.50, 0.00, 0.50, 0.43
HSL	120°, 34%, 43%
HSV	120°, 50%, 57%
XYZ	13.9676, 22.0964, 9.6598
YIQ	114.8510, -20.0750, -38.1790

Conversions

Conversions Part 2

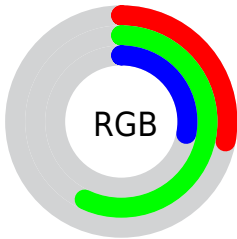
Format	Color
R_{YB}	72, 145, 145
Decimal	4755784
CIE _{Lab}	54.13, -38.43, 31.71
CIE _{LCh}	54, 49.822, 140.468
Yxy	22.0964, 0.3055, 0.4833
Android (android.graphics.Color)	4282945864 (0xFF489148)
YUV	114.8510, -21.1255, -37.5803
Hunter-Lab	47.0068, -29.2224, 20.7208

Details

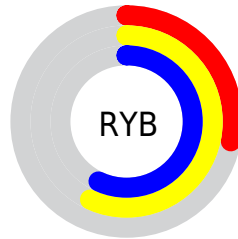
The XYZ color **13.9676, 22.0964, 9.6598** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.1059, 12.6992, 28.2328**, and the grayscale version is **16.3174, 17.1671, 18.6950**.

A 20% lighter version of the original color is **32.7713, 47.1493, 25.7859**, and **4.3033, 8.1401, 2.2641** is the 20% darker color. If you saturate the color by 10%, you get **12.5930, 21.4368, 7.4109**, and if you desaturate by 10%, it is **15.7099, 22.9340, 12.5093**.

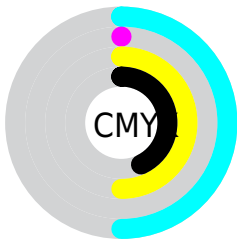
Distribution



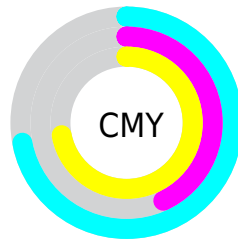
- Red (28%)
- Green (57%)
- Blue (28%)



- Red (28%)
- Yellow (57%)
- Blue (57%)



- Cyan (50%)
- Magenta (0%)
- Yellow (50%)
- Black (43%)



- Cyan (72%)
- Magenta (43%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9676, 22.0964, 9.6598 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 13.9676, 22.0964, 9.6598 by changing the saturation by 10% instead.

■ 13.9676, 22.0964,
9.6598

■ 13.9676, 22.0964,
9.6598

210.5438,
263.0493, 198.6223

■ 8.1797, 13.9277,
5.0713

■ 32.6183, 46.9053,
25.7514

■ 4.2629, 8.0704,
2.2297

■ 46.2117, 64.3143,
38.0915

■ 1.8519, 4.1400,
0.6914

■ 63.1378, 85.5722,
53.8527

■ 0.5487, 1.7522,
0.0000

■ 83.7617, 111.0634,
73.4534

■ 0.0000, 0.4571,
0.0000

■ 108.4490,
141.1724, 97.3122

■ 0.0000, 0.0000,
0.0000

137.5648,

176.2834, 125.8475

171.4746,
216.7809, 159.4780

■ 13.9676, 22.0964,
9.6598

■ 13.9676, 22.0964,
9.6598

■ 12.5930, 21.4368,
7.4109

■ 15.7099, 22.9340,
12.5093

■ 11.5582, 20.9397,
5.7183

■ 17.8419, 23.9581,
15.9965

■ 10.8342, 20.5919,
4.5340

■ 20.3857, 25.1800,
20.1574

■ 10.3862, 20.3767,
3.8012

■ 23.3614, 26.6094,
25.0247

■ 10.1259, 20.2517,
3.3754

■ 26.7878, 28.2553,
30.6291

■ 30.6826, 30.1261,
36.9996

■ 35.0623, 32.2299,
44.1633

■ 39.9429, 34.5743,
52.1464

■ 45.3396, 37.1666,
60.9734

Harmonies

Analogous

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



17.5759, 22.0964, 5.5681



13.9676, 22.0964, 9.6598



12.3352, 22.0964, 19.4627

Triad

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



13.9676, 22.0964, 9.6598



19.3288, 22.0964, 66.9226



32.3106, 22.0964, 15.0858

Complementary

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



13.9676, 22.0964, 9.6598



19.1059, 12.6992, 28.2328

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.



32.9981, 22.0964, 29.3279



13.9676, 22.0964, 9.6598



24.8467, 22.0964, 64.0628

Square

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



13.9676, 22.0964, 9.6598



15.0613, 22.0964, 55.0596



30.0727, 22.0964, 48.3885



28.3296, 22.0964, 7.6386

Rectangle

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



13.9676, 22.0964, 9.6598



12.3558, 22.0964, 29.8775



30.0727, 22.0964, 48.3885



32.9583, 22.0964, 19.0501

Sweetspot

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



13.9681, 22.0973, 9.6603



39.0893, 46.3326, 40.3223



22.9731, 26.7396, 10.0814



8.4767, 10.2019, 8.6118



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.9681, 22.0973, 9.6603



22.3591, 38.2962, 12.9570



15.5319, 22.7228, 17.8951



5.3429, 6.0294, 5.7716



8.6849, 17.3698, 2.8951



0.0830, 0.1661, 0.0277

Inverse Universe

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



19.1059, 12.6992, 28.2328



32.6132, 19.5390, 50.0246



16.7285, 11.7482, 15.7137



5.6263, 5.5110, 6.7959



14.3994, 6.9168, 23.5521



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 13.9676, 22.0964, 9.6598 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 13.9676, 22.0964, 9.6598 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 13.9676, 22.0964, 9.6598

Background



This preview shows how black text looks on a background with the XYZ color 13.9676, 22.0964, 9.6598.



This preview shows how white text looks on a background with the XYZ color 13.9676, 22.0964,

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

13.9676, 22.0964, 9.6598

Protanopia

19.9890, 21.8446, 8.3172

Deuteranopia

22.1684, 21.7839, 10.2440



Tritanopia

18.3155, 22.1041, 31.3182

Trichromacy



Original Color

13.9676, 22.0964, 9.6598

Protanomaly

17.0435, 21.5272, 8.7257

Deuteranomaly

17.8783, 21.1144, 9.9707

Tritanomaly

16.2479, 21.9061, 21.1412

Monochromacy



Original Color

13.9676, 22.0964, 9.6598

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

14.8586, 18.4752, 14.5873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9676, 22.0964, 9.6598 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(72, 145, 72)` looks like.

```
.text, #text, p{  
    color:rgb(72, 145, 72)  
}
```

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(72, 145, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 145, 72) }
```

Border

The CSS property to change the border of an element to XYZ 13.9676, 22.0964, 9.6598 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(72, 145, 72) }
```


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

```
.border{ border-color:rgb(72, 145, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 145, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 145, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 145, 72);  
box-shadow:4px 4px 4px 4px rgb(72, 145,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9676, 22.0964, 9.6598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 145, 72) }
```

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

```
.background{ background-color: rgb(72, 145,  
72) }
```

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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