

Converting Colors

XYZ(12.8642, 21.9423, 13.8588)

Have a look what the booklet for
XYZ(12.8642, 21.9423, 13.8588)
contains.

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Color

**XYZ(12.8355, 21.8774,
13.9022)**

Conversions

Conversions Part 1

Format	Color
Hex	1A935D
RGB	26, 147, 93
RGB Percent	10%, 58%, 36%
CMY	0.8980, 0.4235, 0.6353
CMYK	0.82, 0.00, 0.37, 0.42
HSL	153°, 70%, 34%
HSV	153°, 82%, 58%
XYZ	12.8355, 21.8774, 13.9022
YIQ	104.6650, -54.7820, -42.4460

Conversions

Conversions Part 2

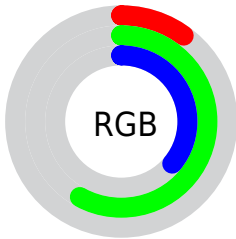
Format	Color
R_{YB}	26, 104, 147
Decimal	1741661
CIE _{Lab}	53.90, -44.75, 19.80
CIE _{LCh}	54, 48.940, 156.133
Yxy	21.8774, 0.2640, 0.4500
Android (android.graphics.Color)	4279931741 (0xFF1A935D)
YUV	104.6650, -5.7508, -68.9892
Hunter-Lab	46.7733, -32.8694, 15.1188

Details

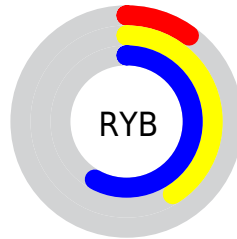
The XYZ color **12.8355, 21.8774, 13.9022** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.8507, 7.5214, 8.3119**, and the grayscale version is **13.3629, 14.0588, 15.3100**.

A 20% lighter version of the original color is **30.6688, 46.5818, 33.7603**, and **4.5854, 8.3817, 3.9609** is the 20% darker color. If you saturate the color by 10%, you get **12.2737, 21.6205, 12.4238**, and if you desaturate by 10%, it is **13.6159, 22.2453, 15.5219**.

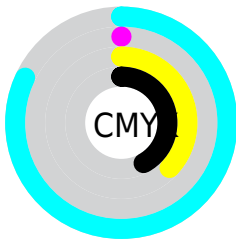
Distribution



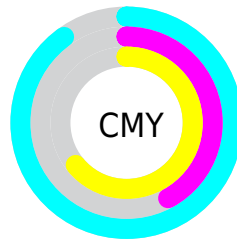
- Red (10%)
- Green (58%)
- Blue (36%)



- Red (10%)
- Yellow (41%)
- Blue (58%)



- Cyan (82%)
- Magenta (0%)
- Yellow (37%)
- Black (42%)



- Cyan (90%)
- Magenta (42%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8355, 21.8774, 13.9022 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 12.8355, 21.8774, 13.9022 by changing the saturation by 10% instead.

■ 12.8355, 21.8774,
13.9022

■ 12.8355, 21.8774,
13.9022

203.5197,
261.9054, 228.0288

■ 7.3916, 13.7668,
7.9147

■ 30.6118, 46.5433,
33.6300

■ 3.7567, 7.9587,
3.9534

■ 43.6748, 63.8674,
48.2074

■ 1.5654, 4.0685,
1.5998

■ 60.0083, 85.0315,
66.4852

■ 0.3697, 1.7120,
0.2907

■ 79.9776, 110.4199,
88.8819

■ 0.0000, 0.4314,
0.0000

■ 103.9480,
140.4172, 115.8161

■ 0.0000, 0.0000,
0.0000

■ 132.2849,

175.4075, 147.7063

165.3537,
215.7755, 184.9710

■ 12.8355, 21.8774,
13.9022

■ 12.8355, 21.8774,
13.9022

■ 12.2737, 21.6205,
12.4238

■ 13.6159, 22.2453,
15.5219

■ 11.9343, 21.4683,
11.3777

■ 14.6398, 22.7351,
17.2859

■ 15.9302, 23.3594,
19.1987

■ 17.5071, 24.1282,
21.2642

■ 19.3883, 25.0507,
23.4860

■ 21.5901, 26.1354,
25.8677

■ 24.1277, 27.3898,
28.4127

■ 27.0153, 28.8214,
31.1243

■ 30.2661, 30.4369,
34.0056

Harmonies

Analogous

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



15.3727, 21.8774, 7.2292



12.8355, 21.8774, 13.9022



12.2582, 21.8774, 27.0577

Triad

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



12.8355, 21.8774, 13.9022



21.8953, 21.8774, 65.8945



30.0986, 21.8774, 10.4790

Complementary

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



12.8355, 21.8774, 13.9022



13.8507, 7.5214, 8.3119

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.



32.5839, 21.8774, 20.8529



12.8355, 21.8774, 13.9022



27.3596, 21.8774, 55.7876

Square

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



12.8355, 21.8774, 13.9022



16.9573, 21.8774, 61.4359



31.5053, 21.8774, 37.5982



25.1693, 21.8774, 5.9175

Rectangle

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



12.8355, 21.8774, 13.9022



12.9587, 21.8774, 39.0258



31.5053, 21.8774, 37.5982



31.2824, 21.8774, 13.1885

Sweetspot

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



12.8361, 21.8783, 13.9027



37.3363, 46.1484, 44.9262



13.9672, 22.6681, 4.6167



8.2349, 10.3927, 9.9444



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.



12.8361, 21.8783, 13.9027



21.3500, 38.4394, 20.1355



15.2107, 21.3621, 30.9265



5.8559, 6.5190, 6.8521



10.3586, 18.6162, 9.9297



0.1417, 0.2338, 0.1998

Inverse Universe

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



13.8507, 7.5214, 8.3119



23.2659, 11.8289, 9.9483



12.7375, 7.3138, 1.7178



5.9019, 5.8558, 6.5897



11.2863, 5.7196, 4.9884



0.1526, 0.0758, 0.1373

Previews

White Background



This preview shows how the XYZ color 12.8355, 21.8774, 13.9022 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 12.8355, 21.8774, 13.9022 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 12.8355, 21.8774, 13.9022

Background



This preview shows how black text looks on a background with the XYZ color 12.8355, 21.8774, 13.9022.



This preview shows how white text looks on a background with the XYZ color 12.8355, 21.8774,

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

12.8355, 21.8774, 13.9022

Protanopia

20.0063, 21.5832, 11.7059

Deuteranopia

21.9128, 21.5508, 14.8092



Tritanopia

16.6513, 21.8604, 32.6200

Trichromacy



Original Color

12.8355, 21.8774, 13.9022



Protanomaly

15.4624, 20.6292, 12.3994



Deuteranomaly

16.2346, 20.3689, 14.3852



Tritanomaly

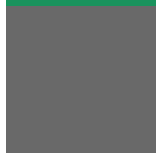
14.9784, 21.8375, 24.5447

Monochromacy



Original Color

12.8355, 21.8774, 13.9022



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

12.0459, 15.9090, 14.7478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8355, 21.8774, 13.9022 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(26, 147, 93)` looks like.

```
.text, #text, p{  
    color:rgb(26, 147, 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(26, 147, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 147, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.8355, 21.8774, 13.9022 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(26, 147, 93) }
```


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

```
.border{ border-color:rgb(26, 147, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 147, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 147, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 147, 93);  
box-shadow:4px 4px 4px 4px rgb(26, 147,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8355, 21.8774, 13.9022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 147, 93) }
```

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

```
.background{ background-color: rgb(26, 147,  
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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