

Converting Colors

XYZ(13.0523, 22.6863, 14.2799)

Have a look what the booklet for
XYZ(13.0523, 22.6863, 14.2799)
contains.

XYZ(13.0519, 22.6854, 14.2805)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0519, 22.6854,
14.2805)**

Conversions

Conversions Part 1

Format	Color
Hex	0A965E
RGB	10, 150, 94
RGB Percent	4%, 59%, 37%
CMY	0.9608, 0.4118, 0.6314
CMYK	0.93, 0.00, 0.37, 0.41
HSL	156°, 87%, 31%
HSV	156°, 93%, 59%
XYZ	13.0519, 22.6854, 14.2805
YIQ	101.7560, -65.4640, -47.0960

Conversions

Conversions Part 2

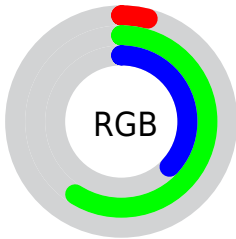
Format	Color
R_{YB}	10, 98, 150
Decimal	693854
CIE _{Lab}	54.75, -46.99, 20.36
CIE _{LCh}	55, 51.208, 156.569
Yxy	22.6854, 0.2609, 0.4535
Android (android.graphics.Color)	4278883934 (0xFF0A965E)
YUV	101.7560, -3.8237, -80.4700
Hunter-Lab	47.6292, -34.4365, 15.5637

Details

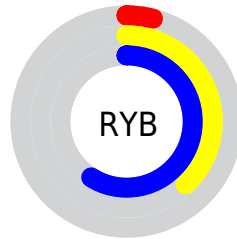
The XYZ color **13.0519, 22.6854, 14.2805** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.6704, 7.0950, 5.8044**, and the grayscale version is **12.5884, 13.2439, 14.4227**.

A 20% lighter version of the original color is **30.9667, 47.7817, 34.3787**, and **4.8808, 8.9406, 4.1578** is the 20% darker color. If you saturate the color by 10%, you get **12.7522, 22.5517, 13.3534**, and if you desaturate by 10%, it is **13.6082, 22.9405, 15.7678**.

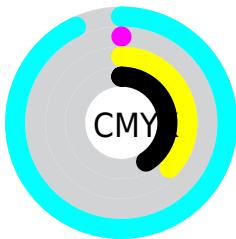
Distribution



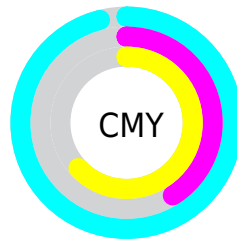
- Red (4%)
- Green (59%)
- Blue (37%)



- Red (4%)
- Yellow (38%)
- Blue (59%)



- Cyan (93%)
- Magenta (0%)
- Yellow (37%)
- Black (41%)



- Cyan (96%)
- Magenta (41%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0519, 22.6854, 14.2805 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 13.0519, 22.6854, 14.2805 by changing the saturation by 10% instead.

■ 13.0519, 22.6854,
14.2805

■ 13.0519, 22.6854,
14.2805

204.8809,
266.1050, 230.4577

■ 7.5415, 14.3614,
8.1750

■ 30.9975, 47.8762,
34.3102

■ 3.8523, 8.3724,
4.1178

■ 44.1635, 65.5118,
49.0715

■ 1.6189, 4.3342,
1.6902

■ 60.6120, 87.0201,
67.5551

■ 0.4047, 1.8622,
0.3540

■ 80.7085, 112.7854,
90.1797

■ 0.0000, 0.5255,
0.0000

■ 104.8183,
143.1922, 117.3637

■ 0.0000, 0.0000,
0.0000

■ 133.3067,

178.6247, 149.5256

166.5391,
219.4676, 187.0841

■ 13.0519, 22.6854,
14.2805

■ 13.0519, 22.6854,
14.2805

■ 12.7522, 22.5517,
13.3534

■ 13.6082, 22.9405,
15.7678

■ 14.3838, 23.3055,
17.3766

■ 15.4075, 23.7959,
19.1111

■ 16.7033, 24.4240,
20.9745

■ 18.2921, 25.2006,
22.9701

■ 20.1928, 26.1352,
25.1008

■ 22.4224, 27.2367,
27.3696

■ 24.9969, 28.5132,
29.7792

■ 27.9312, 29.9724,
32.3323

Harmonies

Analogous

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



15.7159, 22.6854, 7.1931



13.0519, 22.6854, 14.2805



12.4708, 22.6854, 28.4333

Triad

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



13.0519, 22.6854, 14.2805



22.8285, 22.6854, 70.2862



31.5152, 22.6854, 10.4154

Complementary

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



13.0519, 22.6854, 14.2805



13.6704, 7.0950, 5.8044

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.



34.2531, 22.6854, 21.3097



13.0519, 22.6854, 14.2805



28.7026, 22.6854, 59.0562

Square

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



13.0519, 22.6854, 14.2805



17.5245, 22.6854, 65.6512



33.1430, 22.6854, 39.2506



26.1759, 22.6854, 5.7400

Rectangle

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



13.0519, 22.6854, 14.2805



13.2327, 22.6854, 41.3913



33.1430, 22.6854, 39.2506



32.8092, 22.6854, 13.2353

Sweetspot

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



13.0525, 22.6863, 14.2810



37.4399, 47.0120, 46.1777



13.3692, 23.0766, 4.0370



7.9661, 10.2551, 9.8899



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.



13.0525, 22.6863, 14.2810



22.4158, 39.7620, 23.1008



14.7673, 20.5403, 32.0416



5.8669, 6.5233, 6.9098



10.5921, 18.7096, 11.1594



0.1442, 0.2348, 0.2135

Inverse Universe

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



13.6704, 7.0950, 5.8044



23.5550, 11.9861, 8.1906



12.9137, 7.0676, 0.9709



5.8912, 5.8515, 6.5331



11.1232, 5.6543, 4.1300



0.1500, 0.0748, 0.1237

Previews

White Background



This preview shows how the XYZ color 13.0519, 22.6854, 14.2805 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 13.0519, 22.6854, 14.2805 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 13.0519, 22.6854, 14.2805

Background



This preview shows how black text looks on a background with the XYZ color 13.0519, 22.6854, 14.2805.



This preview shows how white text looks on a background with the XYZ color 13.0519, 22.6854,

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

13.0519, 22.6854, 14.2805

Protanopia

20.6469, 22.2999, 12.0202

Deuteranopia

22.7707, 22.3596, 15.1723



Tritanopia

17.1765, 22.7623, 34.0601

Trichromacy



Original Color

13.0519, 22.6854, 14.2805



Protanomaly

15.2630, 20.9397, 12.6885



Deuteranomaly

16.0965, 20.6987, 14.7022



Tritanomaly

15.2431, 22.6358, 25.3955

Monochromacy



Original Color

13.0519, 22.6854, 14.2805



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.3032, 15.3597, 14.1734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0519, 22.6854, 14.2805 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(10, 150, 94)` looks like.

```
.text, #text, p{  
    color:rgb(10, 150, 94)  
}
```

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(10, 150, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 150, 94) }
```

Border

The CSS property to change the border of an element to XYZ 13.0519, 22.6854, 14.2805 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(10, 150, 94) }
```


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

```
.border{ border-color:rgb(10, 150, 94) }
```

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

Here you see how a box with a 4 pixel rgb(10, 150, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 150, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 150, 94);  
box-shadow:4px 4px 4px 4px rgb(10, 150,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0519, 22.6854, 14.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 150, 94) }
```

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

```
.background{ background-color: rgb(10, 150,  
94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor