

Converting Colors

XYZ(13.9691, 24.7500, 8.5574)

Have a look what the booklet for
XYZ(13.9691, 24.7500, 8.5574)
contains.

XYZ(13.9769, 24.7531, 8.5986)	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(13.9769, 24.7531,
8.5986)**

Conversions

Conversions Part 1

Format	Color
Hex	309C3E
RGB	48, 156, 62
RGB Percent	19%, 61%, 24%
CMY	0.8118, 0.3882, 0.7569
CMYK	0.69, 0.00, 0.60, 0.39
HSL	128°, 53%, 40%
HSV	128°, 69%, 61%
XYZ	13.9769, 24.7531, 8.5986
YIQ	112.9920, -34.1940, -52.1300

Conversions

Conversions Part 2

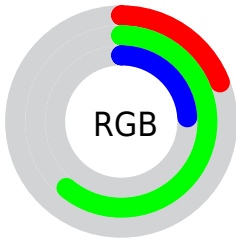
Format	Color
R_{YB}	48, 144, 156
Decimal	3185726
CIE _{Lab}	56.83, -50.03, 39.77
CIE _{LCh}	57, 63.909, 141.517
Yxy	24.7531, 0.2953, 0.5230
Android (android.graphics.Color)	4281375806 (0xFF309C3E)
YUV	112.9920, -25.1391, -56.9980
Hunter-Lab	49.7525, -36.9211, 24.5798

Details

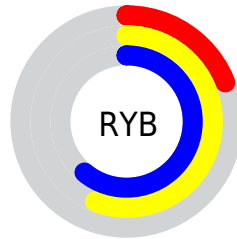
The XYZ color **13.9769, 24.7531, 8.5986** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.6504, 11.1352, 26.7053**, and the grayscale version is **15.7737, 16.5952, 18.0722**.

A 20% lighter version of the original color is **32.8308, 51.5304, 23.8388**, and **4.8941, 9.7180, 1.8476** is the 20% darker color. If you saturate the color by 10%, you get **13.0395, 24.3083, 6.8472**, and if you desaturate by 10%, it is **15.2674, 25.3705, 10.8536**.

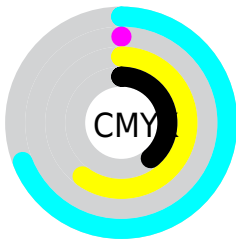
Distribution



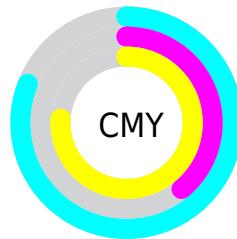
- Red (19%)
- Green (61%)
- Blue (24%)



- Red (19%)
- Yellow (56%)
- Blue (61%)



- Cyan (69%)
- Magenta (0%)
- Yellow (60%)
- Black (39%)



- Cyan (81%)
- Magenta (39%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9769, 24.7531, 8.5986 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 13.9769, 24.7531, 8.5986 by changing the saturation by 10% instead.

■ 13.9769, 24.7531,
8.5986

■ 13.9769, 24.7531,
8.5986

210.6006,
276.6061, 190.4611

■ 8.1862, 15.8932,
4.3871

■ 32.6346, 51.2564,
23.6891

■ 4.2671, 9.4486,
1.8400

■ 46.2324, 69.6686,
35.4052

■ 1.8543, 5.0349,
0.4542

■ 63.1632, 92.0337,
50.4598

■ 0.5501, 2.2678,
0.0000

■ 83.7924, 118.7360,
69.2716

■ 0.0000, 0.7566,
0.0000

■ 108.4854,
150.1600, 92.2591

■ 0.0000, 0.0000,
0.0000

■ 137.6075,

186.6901, 119.8408

171.5241,
228.7107, 152.4353

■ 13.9769, 24.7531,
8.5986

■ 13.9769, 24.7531,
8.5986

■ 13.0395, 24.3083,
6.8472

■ 15.2674, 25.3705,
10.8536

■ 12.4177, 24.0157,
5.5592

■ 16.9400, 26.1728,
13.6451

■ 12.0418, 23.8408,
4.6897

■ 19.0227, 27.1742,
17.0052

■ 12.0172, 23.8292,
4.6385

■ 21.5402, 28.3870,
20.9629

■ 24.5155, 29.8225,
25.5453

■ 27.9698, 31.4910,
30.7778

■ 31.9231, 33.4024,
36.6843

■ 36.3941, 35.5657,
43.2878

■ 41.4006, 37.9898,
50.6099

Harmonies

Analogous

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



18.6409, 24.7531, 3.9345



13.9769, 24.7531, 8.5986



11.9853, 24.7531, 21.3257

Triad

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



13.9769, 24.7531, 8.5986



21.4704, 24.7531, 91.5746



39.5853, 24.7531, 14.5014

Complementary

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



13.9769, 24.7531, 8.5986



19.6504, 11.1352, 26.7053

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.



40.7914, 24.7531, 33.4896



13.9769, 24.7531, 8.5986



29.2001, 24.7531, 86.2190

Square

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



13.9769, 24.7531, 8.5986



15.6707, 24.7531, 73.6996



36.6618, 24.7531, 61.5245



33.6487, 24.7531, 5.8689

Rectangle

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



13.9769, 24.7531, 8.5986



12.0698, 24.7531, 36.0304



36.6618, 24.7531, 61.5245



40.6011, 24.7531, 19.5429

Sweetspot

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



13.9775, 24.7541, 8.5992



43.2717, 53.5589, 44.4779



23.8200, 29.8669, 7.3059



9.2125, 11.6361, 9.3123



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.9775, 24.7541, 8.5992



23.0045, 43.8292, 11.0702



16.1796, 25.6350, 20.1952



6.5840, 7.4144, 7.2441



9.9059, 19.6303, 3.8614



0.1860, 0.3545, 0.1156

Inverse Universe

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



19.6504, 11.1352, 26.7053



33.9421, 17.4001, 45.8521



16.5879, 9.9102, 10.5785



6.8671, 6.7398, 8.1514



14.9494, 7.2843, 19.7822



0.2766, 0.1340, 0.4028

Previews

White Background



This preview shows how the XYZ color 13.9769, 24.7531, 8.5986 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 13.9769, 24.7531, 8.5986 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 13.9769, 24.7531, 8.5986

Background



This preview shows how black text looks on a background with the XYZ color 13.9769, 24.7531, 8.5986.



This preview shows how white text looks on a background with the XYZ color 13.9769, 24.7531,

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

13.9769, 24.7531, 8.5986

Protanopia

22.2805, 24.4732, 7.2909

Deuteranopia

24.6816, 24.2497, 9.1741



Tritanopia

19.4309, 24.5629, 36.0647

Trichromacy



Original Color

13.9769, 24.7531, 8.5986

Protanomaly

17.5256, 23.5278, 7.6206

Deuteranomaly

18.4141, 23.0814, 8.7948

Tritanomaly

16.7283, 24.4010, 22.5671

Monochromacy



Original Color

13.9769, 24.7531, 8.5986

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

13.9905, 18.6325, 13.4487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9769, 24.7531, 8.5986 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(48, 156, 62)` looks like.

```
.text, #text, p{  
    color:rgb(48, 156, 62)  
}
```

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(48, 156, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 156, 62) }
```

Border

The CSS property to change the border of an element to XYZ 13.9769, 24.7531, 8.5986 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(48, 156, 62) }
```


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

```
.border{ border-color:rgb(48, 156, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 156, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 156, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 156, 62);  
box-shadow:4px 4px 4px 4px rgb(48, 156,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9769, 24.7531, 8.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 156, 62) }
```

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

```
.background{ background-color: rgb(48, 156,  
62) }
```

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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