

# Converting Colors

XYZ(16.5328, 24.9518, 14.6218)

Have a look what the booklet for  
XYZ(16.5328, 24.9518, 14.6218)  
contains.

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# Color

**XYZ(16.5569, 24.9701,  
14.5367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50985E
RGB	80, 152, 94
RGB Percent	31%, 60%, 37%
CMY	0.6863, 0.4039, 0.6314
CMYK	0.47, 0.00, 0.38, 0.40
HSL	132°, 31%, 45%
HSV	132°, 47%, 60%
XYZ	16.5569, 24.9701, 14.5367
YIQ	123.8600, -24.2940, -33.3020

# Conversions

## Conversions Part 2

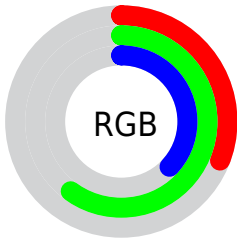
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 140, 152
Decimal	5281886
CIE <sub>Lab</sub>	57.05, -35.61, 23.72
CIE <sub>LCh</sub>	57, 42.789, 146.330
Yxy	24.9701, 0.2953, 0.4454
Android (android.graphics.Color)	4283471966 (0xFF50985E)
YUV	123.8600, -14.7210, -38.4652
Hunter-Lab	49.9701, -28.3041, 17.7311

# Details

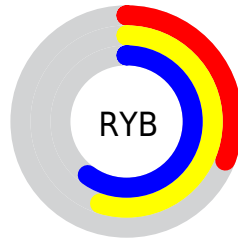
The XYZ color **16.5569, 24.9701, 14.5367** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.4059, 14.2483, 25.7205**, and the grayscale version is **19.1654, 20.1634, 21.9580**.

A 20% lighter version of the original color is **37.0965, 51.6565, 34.8036**, and **5.4470, 9.5138, 4.2386** is the 20% darker color. If you saturate the color by 10%, you get **14.9093, 24.1800, 11.8156**, and if you desaturate by 10%, it is **18.5833, 25.9469, 17.7317**.

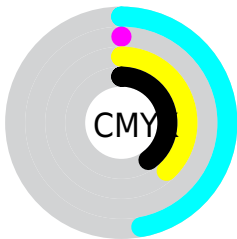
# Distribution



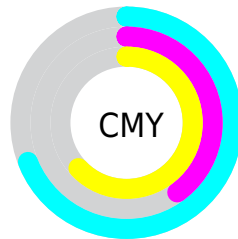
- Red (31%)
- Green (60%)
- Blue (37%)



- Red (31%)
- Yellow (55%)
- Blue (60%)



- Cyan (47%)
- Magenta (0%)
- Yellow (38%)
- Black (40%)



- Cyan (69%)
- Magenta (40%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5569, 24.9701, 14.5367 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 16.5569, 24.9701, 14.5367 by changing the saturation by 10% instead.



■ 16.5569, 24.9701,  
14.5367

■ 16.5569, 24.9701,  
14.5367

225.8122,  
277.6890, 232.0880

■ 10.0124, 16.0548,  
8.3519

■ 37.1120, 51.6087,  
34.7691

■ 5.4695, 9.5629,  
4.2299

■ 51.8534, 70.1008,  
49.6537

■ 2.5629, 5.1101,  
1.7523

■ 70.0578, 92.5539,  
68.2754

■ 0.9271, 2.3120,  
0.3962

■ 92.0905, 119.3525,  
91.0526

■ 0.0000, 0.7801,  
0.0000

■ 118.3170,  
150.8809, 118.4039

■ 0.0000, 0.0000,  
0.0000

149.1025,

187.5235, 150.7479

184.8124,  
229.6647, 188.5031

■ 16.5569, 24.9701,  
14.5367

■ 16.5569, 24.9701,  
14.5367

■ 14.9093, 24.1800,  
11.8156

■ 18.5833, 25.9469,  
17.7317

■ 13.6147, 23.5615,  
9.5442

■ 21.0085, 27.1180,  
21.4199

■ 12.6469, 23.1024,  
7.6986


■ 23.8532, 28.4944,  
25.6217


■ 11.9753, 22.7875,  
6.2522


■ 27.1361, 30.0854,  
30.3556


■ 11.5502, 22.5918,  
5.1745


■ 30.8749, 31.8998,  
35.6395

 11.4574, 22.5489,  
4.9473

 35.0861, 33.9456,  
41.4902

 39.7857, 36.2308,  
47.9240

 44.9886, 38.7627,  
54.9563

 50.7093, 41.5485,  
62.6021

# Harmonies

## Analogous

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



19.6951, 24.9701, 9.1466



16.5569, 24.9701, 14.5367



15.3274, 24.9701, 25.4525

# Triad

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



16.5569, 24.9701, 14.5367



23.1193, 24.9701, 65.2794



33.5048, 24.9701, 16.6562

# Complementary

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



16.5569, 24.9701, 14.5367



20.4059, 14.2483, 25.7205

# 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.



34.7584, 24.9701, 29.0010



16.5569, 24.9701, 14.5367



28.2889, 24.9701, 60.3556

# Square

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



16.5569, 24.9701, 14.5367



18.7628, 24.9701, 57.3869



32.7314, 24.9701, 45.6276



29.5123, 24.9701, 10.0318



# Rectangle

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



16.5569, 24.9701, 14.5367



15.6059, 24.9701, 35.7478



32.7314, 24.9701, 45.6276



34.2828, 24.9701, 20.1172

# Sweetspot

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



16.5575, 24.9711, 14.5373



43.8114, 51.1216, 47.7081



23.2913, 28.5086, 11.8648



9.7046, 11.4967, 10.4760



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178



# Same Dimension

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



16.5575, 24.9711, 14.5373



26.1253, 42.5873, 20.5314



18.5130, 25.7533, 24.8346



6.1788, 6.9443, 6.8651



9.6156, 18.9097, 4.1965



0.1543, 0.2869, 0.1184



# Inverse Universe

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



20.4059, 14.2483, 25.7205



33.7574, 21.2694, 42.6719



18.2564, 13.3885, 14.4019



6.4097, 6.3030, 7.5376



13.8369, 6.7890, 16.1978



0.2186, 0.1062, 0.3039



# Previews

## White Background



This preview shows how the XYZ color 16.5569, 24.9701, 14.5367 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 16.5569, 24.9701, 14.5367 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 16.5569, 24.9701, 14.5367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 16.5569, 24.9701, 14.5367.



This preview shows how white text looks on a background with the XYZ color 16.5569, 24.9701,



# 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

16.5569, 24.9701, 14.5367

### Protanopia

22.7784, 24.6088, 12.7819

### Deuteranopia

24.9327, 24.4432, 15.2083



## **Tritanopia**

20.7422, 25.0308, 35.1907

# Trichromacy



## Original Color

16.5569, 24.9701, 14.5367

## Protanomaly

19.6868, 24.2951, 13.3247

## Deuteranomaly

20.7619, 23.9456, 14.8369

## Tritanomaly

18.9434, 24.9971, 26.0168

# Monochromacy



## Original Color

16.5569, 24.9701, 14.5367

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

17.6901, 21.4306, 18.8269

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 16.5569, 24.9701, 14.5367 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(80, 152, 94)` looks like.

```
.text, #text, p{  
    color:rgb(80, 152, 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(80, 152, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 152, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 16.5569, 24.9701, 14.5367 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(80, 152, 94) }
```



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

```
.border{ border-color:rgb(80, 152, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 152, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 152, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 152, 94);  
box-shadow:4px 4px 4px 4px rgb(80, 152,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 16.5569, 24.9701, 14.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 152, 94) }
```

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

```
.background{ background-color: rgb(80, 152,  
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](#).

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