

Converting Colors

XYZ(16.4364, 26.3452, 14.0224)

Have a look what the booklet for
XYZ(16.4364, 26.3452, 14.0224)
contains.

XYZ(16.4991, 26.4380, 14.1310)	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(16.4991, 26.4380,
14.1310)**

Conversions

Conversions Part 1

Format	Color
Hex	449E5B
RGB	68, 158, 91
RGB Percent	27%, 62%, 36%
CMY	0.7333, 0.3804, 0.6431
CMYK	0.57, 0.00, 0.42, 0.38
HSL	135°, 40%, 44%
HSV	135°, 57%, 62%
XYZ	16.4991, 26.4380, 14.1310
YIQ	123.4520, -32.1330, -39.9170

Conversions

Conversions Part 2

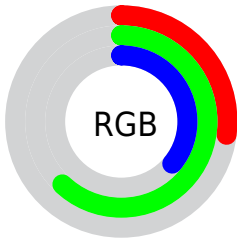
Format	Color
RYB	68, 140, 158
Decimal	4496987
CIELab	58.45, -41.99, 27.10
CIELCh	58, 49.977, 147.158
Yxy	26.4380, 0.2891, 0.4633
Android (android.graphics.Color)	4282687067 (0xFF449E5B)
YUV	123.4520, -15.9988, -48.6314
Hunter-Lab	51.4179, -32.7038, 19.6981

Details

The XYZ color **16.4991, 26.4380, 14.1310** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.5417, 13.1531, 24.3787**, and the grayscale version is **19.0357, 20.0270, 21.8094**.

A 20% lighter version of the original color is **36.9889, 53.8266, 34.0312**, and **5.6087, 10.4899, 4.1120** is the 20% darker color. If you saturate the color by 10%, you get **15.0739, 25.7582, 11.6203**, and if you desaturate by 10%, it is **18.3022, 27.3050, 17.0758**.

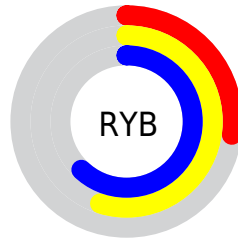
Distribution



Red (27%)

Green (62%)

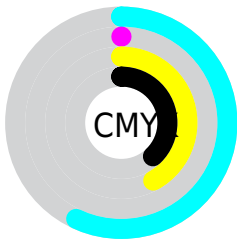
Blue (36%)



Red (27%)

Yellow (55%)

Blue (62%)

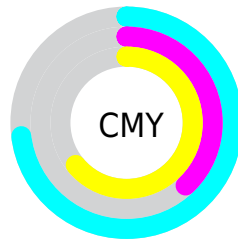


Cyan (57%)

Magenta (0%)

Yellow (42%)

Black (38%)



Cyan (73%)

Magenta (38%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4991, 26.4380, 14.1310 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 16.4991, 26.4380, 14.1310 by changing the saturation by 10% instead.

■ 16.4991, 26.4380,
14.1310

■ 16.4991, 26.4380,
14.1310

225.4820,
284.9256, 229.5010

■ 9.9711, 17.1516,
8.0720

■ 37.0130, 53.9807,
34.0418

■ 5.4419, 10.3426,
4.0526

■ 51.7296, 73.0058,
48.7306

■ 2.5462, 5.6267,
1.6543

■ 69.9065, 96.0459,
67.1332

■ 0.9186, 2.6195,
0.3291

■ 91.9090, 123.4855,
89.6681

■ 0.0000, 0.9365,
0.0000

■ 118.1024,
155.7088, 116.7538

■ 0.0000, 0.0000,
0.0000

148.8522,

193.1003, 148.8088

184.5236,
236.0445, 186.2517

■ 16.4991, 26.4380,
14.1310

■ 16.4991, 26.4380,
14.1310

■ 15.0739, 25.7582,
11.6203

■ 18.3022, 27.3050,
17.0758

■ 13.9965, 25.2481,
9.5212

■ 20.5063, 28.3684,
20.4721

■ 13.2351, 24.8926,
7.8121

■ 23.1352, 29.6407,
24.3385

■ 12.7412, 24.6672,
6.4679

■ 26.2100, 31.1327,
28.6921

■ 12.6168, 24.6105,
6.1268

■ 29.7505, 32.8541,
33.5491

■ 33.7753, 34.8141,
38.9250

■ 38.3019, 37.0215,
44.8344

■ 43.3469, 39.4846,
51.2917

■ 48.9263, 42.2113,
58.3104

Harmonies

Analogous

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



20.1417, 26.4380, 8.0370



16.4991, 26.4380, 14.1310



15.1321, 26.4380, 27.1512

Triad

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



16.4991, 26.4380, 14.1310



24.5509, 26.4380, 77.1195



37.0887, 26.4380, 16.0052

Complementary

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



16.4991, 26.4380, 14.1310



20.5417, 13.1531, 24.3787

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.



38.7727, 26.4380, 30.4861



16.4991, 26.4380, 14.1310



30.8772, 26.4380, 70.2629

Square

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



16.4991, 26.4380, 14.1310



19.2841, 26.4380, 67.2836



36.3392, 26.4380, 51.1425



32.0485, 26.4380, 8.7704

Rectangle

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



16.4991, 26.4380, 14.1310



15.4972, 26.4380, 39.8883



36.3392, 26.4380, 51.1425



38.0983, 26.4380, 19.9632

Sweetspot

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



16.4998, 26.4391, 14.1316



47.3738, 56.4270, 51.7940



23.3435, 30.0648, 10.0418



10.4324, 12.6010, 11.3300



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.4998, 26.4391, 14.1316



26.8550, 46.5286, 20.1333



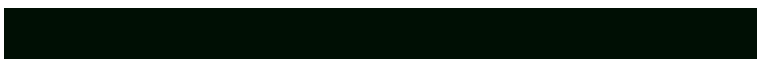
19.0200, 27.4472, 27.4030



6.6169, 7.4275, 7.4170



10.1185, 19.7153, 4.9810



0.1965, 0.3588, 0.1712

Inverse Universe

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



20.5417, 13.1531, 24.3787



34.8783, 20.0355, 40.3853



18.0352, 12.1506, 11.1799



6.8317, 6.7256, 7.9648



13.9106, 6.8688, 14.3120



0.2646, 0.1292, 0.3396

Previews

White Background



This preview shows how the XYZ color 16.4991, 26.4380, 14.1310 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 16.4991, 26.4380, 14.1310 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 16.4991, 26.4380, 14.1310

Background



This preview shows how black text looks on a background with the XYZ color 16.4991, 26.4380, 14.1310.



This preview shows how white text looks on a background with the XYZ color 16.4991, 26.4380,

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

16.4991, 26.4380, 14.1310

Protanopia

24.1152, 26.1686, 12.1675

Deuteranopia

26.6191, 26.1288, 14.9496



Tritanopia

21.3584, 26.4476, 38.1616

Trichromacy



Original Color

16.4991, 26.4380, 14.1310



Protanomaly

20.1801, 25.6931, 12.9125



Deuteranomaly

21.2481, 25.2964, 14.5893



Tritanomaly

19.1434, 26.2655, 27.3533

Monochromacy



Original Color

16.4991, 26.4380, 14.1310



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.2669, 21.6396, 18.3057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4991, 26.4380, 14.1310 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(68, 158, 91)` looks like.

```
.text, #text, p{  
    color:rgb(68, 158, 91)  
}
```

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(68, 158, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 158, 91) }
```

Border

The CSS property to change the border of an element to XYZ 16.4991, 26.4380, 14.1310 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(68, 158, 91) }
```


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

```
.border{ border-color:rgb(68, 158, 91) }
```

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

Here you see how a box with a 4 pixel rgb(68, 158, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 158, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 158, 91);  
box-shadow:4px 4px 4px 4px rgb(68, 158,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4991, 26.4380, 14.1310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 158, 91) }
```

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

```
.background{ background-color: rgb(68, 158,  
91) }
```

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