

Converting Colors

XYZ(27.2166, 35.0778, 14.4166)

Have a look what the booklet for
XYZ(27.2166, 35.0778, 14.4166)
contains.

XYZ(27.2504, 35.1884, 14.3726)	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(27.2504, 35.1884,
14.3726)**

Conversions

Conversions Part 1

Format	Color
Hex	8EAA57
RGB	142, 170, 87
RGB Percent	56%, 67%, 34%
CMY	0.4431, 0.3333, 0.6588
CMYK	0.16, 0.00, 0.49, 0.33
HSL	80°, 33%, 50%
HSV	80°, 49%, 67%
XYZ	27.2504, 35.1884, 14.3726
YIQ	152.1660, 9.9550, -31.7490

Conversions

Conversions Part 2

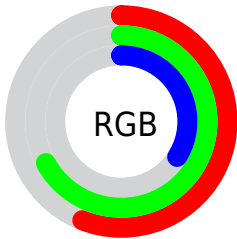
Format	Color
RYB	87, 170, 115
Decimal	9349719
CIELab	65.90, -23.30, 39.37
CIELCh	66, 45.744, 120.620
Yxy	35.1884, 0.3548, 0.4581
Android (android.graphics.Color)	4287539799 (0xFF8EAA57)
YUV	152.1660, -32.1268, -8.9156
Hunter-Lab	59.3198, -21.8101, 27.1585

Details

The XYZ color **27.2504, 35.1884, 14.3726** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.7355, 13.3644, 39.6771**, and the grayscale version is **30.0490, 31.6139, 34.4275**.

A 20% lighter version of the original color is **54.6114, 67.5848, 34.5929**, and **11.0447, 15.2705, 4.1991** is the 20% darker color. If you saturate the color by 10%, you get **25.6774, 34.4496, 11.0908**, and if you desaturate by 10%, it is **29.0394, 36.0218, 18.5198**.

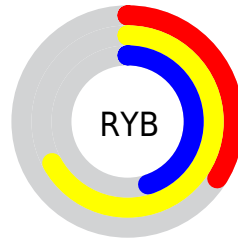
Distribution



Red (56%)

Green (67%)

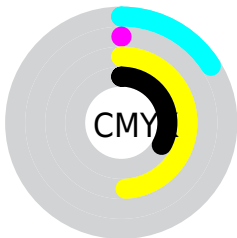
Blue (34%)



Red (34%)

Yellow (67%)

Blue (45%)

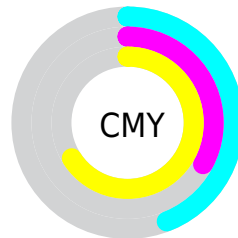


Cyan (16%)

Magenta (0%)

Yellow (49%)

Black (33%)



Cyan (44%)

Magenta (33%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2504, 35.1884, 14.3726 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 27.2504, 35.1884, 14.3726 by changing the saturation by 10% instead.

■ 27.2504, 35.1884,
14.3726

■ 27.2504, 35.1884,
14.3726

281.0130,
325.3991, 231.0451

■ 17.8989, 23.8080,
8.2386

■ 54.7025, 67.7775,
34.4753

■ 10.9767, 15.1913,
4.1580

■ 73.5338, 89.7551,
49.2810

■ 6.1183, 8.9537,
1.7124

■ 96.2558, 116.0338,
67.8144

■ 2.9585, 4.7110,
0.3692

■ 123.2338,
146.9981, 90.4940

■ 1.1319, 2.0787,
0.0000

■ 154.8331,
183.0324, 117.7383

■ 0.0515, 0.6526,
0.0000

191.4192,

■ 0.0000, 0.0000,

224.5211, 149.9659

0.0000

233.3574,
271.8485, 187.5953

■ 27.2504, 35.1884,
14.3726

■ 27.2504, 35.1884,
14.3726

■ 25.6774, 34.4496,
11.0908

■ 29.0394, 36.0218,
18.5198

■ 24.3054, 33.7958,
8.6105

■ 31.0530, 36.9499,
23.5855

■ 23.1212, 33.2228,
6.8632


■ 33.3025, 37.9782,
29.6214


■ 22.1086, 32.7240,
5.7672


■ 35.7975, 39.1109,
36.6745


■ 21.2379, 32.2875,
5.1702


■ 38.5470, 40.3516,
44.7889

 21.1402, 32.2383,
5.1084

 41.5597, 41.7039,
54.0060

 44.8437, 43.1709,
64.3651

 48.4066, 44.7559,
75.9034

 52.2558, 46.4620,
88.6566

Harmonies

Analogous

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



33.3050, 35.1884, 11.8385



27.2504, 35.1884, 14.3726



23.3467, 35.1884, 22.7952

Triad

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



27.2504, 35.1884, 14.3726



27.4635, 35.1884, 80.7847



48.2046, 35.1884, 37.9127

Complementary

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



27.2504, 35.1884, 14.3726



17.7355, 13.3644, 39.6771

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.



46.1031, 35.1884, 59.6405



27.2504, 35.1884, 14.3726



33.5864, 35.1884, 88.9146

Square

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



27.2504, 35.1884, 14.3726



23.4576, 35.1884, 60.5827



40.5149, 35.1884, 80.1240



45.9291, 35.1884, 22.3050

Rectangle

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



27.2504, 35.1884, 14.3726



22.1873, 35.1884, 32.5599



40.5149, 35.1884, 80.1240



47.9841, 35.1884, 44.7094

Sweetspot

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



27.2513, 35.1900, 14.3734



61.9764, 69.6117, 58.0711



24.3920, 21.4209, 11.8664



13.6194, 15.4320, 12.3870



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.2513, 35.1900, 14.3734



46.2567, 62.3457, 19.4841



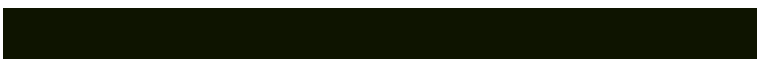
21.4444, 32.1964, 14.1016



7.8973, 8.6452, 8.0417



15.6112, 23.7451, 3.7605



0.4310, 0.6041, 0.0939

Inverse Universe

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



17.7355, 13.3644, 39.6771



26.9132, 17.9018, 71.0388



24.4078, 16.8041, 39.9894



7.3615, 7.4189, 9.4623



6.6478, 2.8105, 28.1676



0.2160, 0.0964, 0.6879

Previews

White Background



This preview shows how the XYZ color 27.2504, 35.1884, 14.3726 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.2504, 35.1884, 14.3726 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2504, 35.1884, 14.3726

Background



This preview shows how black text looks on a background with the XYZ color 27.2504, 35.1884, 14.3726.



This preview shows how white text looks on a background with the XYZ color 27.2504, 35.1884,

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

27.2504, 35.1884, 14.3726

Protanopia

32.0755, 35.0118, 13.4549

Deuteranopia

35.6222, 34.8139, 14.7398



Tritanopia

33.2505, 34.9310, 44.5250

Trichromacy



Original Color

27.2504, 35.1884, 14.3726

Protanomaly

30.2250, 35.0993, 13.7761

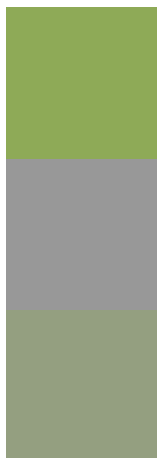
Deuteranomaly

32.1481, 34.7646, 14.6887

Tritanomaly

30.5524, 34.8935, 30.7160

Monochromacy



Original Color

27.2504, 35.1884, 14.3726

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.5072, 32.6507, 25.2218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2504, 35.1884, 14.3726 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(142, 170, 87)` looks like.

```
.text, #text, p{  
    color:rgb(142, 170, 87)  
}
```

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(142, 170, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 170, 87) }
```

Border

The CSS property to change the border of an element to XYZ 27.2504, 35.1884, 14.3726 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(142, 170, 87) }
```


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

```
.border{ border-color:rgb(142, 170, 87) }
```

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

Here you see how a box with a 4 pixel rgb(142, 170, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 170, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 170, 87);  
box-shadow:4px 4px 4px 4px rgb(142, 170,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2504, 35.1884, 14.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 170, 87) }
```

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

```
.background{ background-color: rgb(142,  
170, 87) }
```

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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