

Converting Colors

XYZ(6.2949, 18.5246, 13.8277)

Have a look what the booklet for
XYZ(6.2949, 18.5246, 13.8277)
contains.

XYZ(12.4541, 21.6756, 14.1171)	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(12.4541, 21.6756,
14.1171)**

Conversions

Conversions Part 1

Format	Color
Hex	00935E
RGB	0, 147, 94
RGB Percent	0%, 58%, 37%
CMY	1.0000, 0.4235, 0.6314
CMYK	1.00, 0.00, 0.36, 0.42
HSL	158°, 100%, 29%
HSV	158°, 100%, 58%
XYZ	12.4541, 21.6756, 14.1171
YIQ	97.0050, -70.5990, -47.6470

Conversions

Conversions Part 2

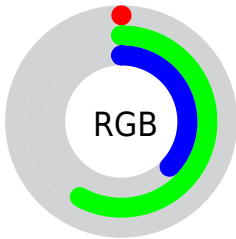
Format	Color
RYB	0, 90, 147
Decimal	37726
CIELab	53.68, -46.39, 18.91
CIELCh	54, 50.099, 157.819
Yxy	21.6756, 0.2581, 0.4493
Android (android.graphics.Color)	4278227806 (0xFF00935E)
YUV	97.0050, -1.4815, -85.0734
Hunter-Lab	46.5571, -33.7258, 14.6119

Details

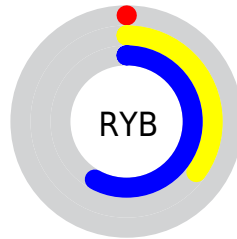
The XYZ color **12.4541, 21.6756, 14.1171** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.6760, 6.4606, 3.9481**, and the grayscale version is **11.3803, 11.9730, 13.0386**.

A 20% lighter version of the original color is **29.9777, 46.2167, 34.1288**, and **4.6053, 8.3897, 4.0660** is the 20% darker color. If you saturate the color by 10%, you get **12.4544, 21.6764, 14.1169**, and if you desaturate by 10%, it is **12.8930, 21.8740, 15.4228**.

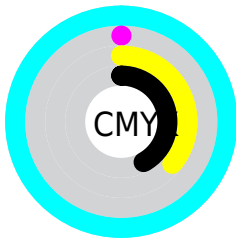
Distribution



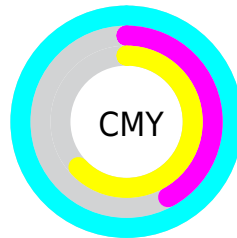
- Red (0%)
- Green (58%)
- Blue (37%)



- Red (0%)
- Yellow (35%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4541, 21.6756, 14.1171 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 12.4541, 21.6756, 14.1171 by changing the saturation by 10% instead.

12.4541, 21.6756,
14.1171

12.4541, 21.6756,
14.1171

201.0979,
260.8475, 229.4118

7.1281, 13.6187,
8.0625

29.9292, 46.2092,
34.0168

3.5894, 7.8560,
4.0466

42.8091, 63.4548,
48.6989

1.4726, 4.0029,
1.6509

58.9376, 84.5321,
67.0939

0.3071, 1.6752,
0.3268

78.6802, 109.8254,
89.6204

0.0000, 0.4075,
0.0000

102.4022,
139.7192, 116.6969

0.0000, 0.0000,
0.0000

130.4689,

174.5979, 148.7420

163.2457,
214.8459, 186.1741

■ 12.4541, 21.6756,
14.1171

■ 12.4541, 21.6756,
14.1171

■ 12.4544, 21.6764,
14.1169

■ 12.8930, 21.8740,
15.4228

■ 13.4818, 22.1472,
16.8220

■ 14.2867, 22.5298,
18.3198

■ 15.3327, 23.0347,
19.9190

■ 16.6413, 23.6730,
21.6222

■ 18.2317, 24.4545,
23.4316

■ 20.1211, 25.3880,
25.3497

■ 22.3252, 26.4816,
27.3784

■ 24.8588, 27.7429,
29.5199

Harmonies

Analogous

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



14.9050, 21.6756, 7.1169



12.4541, 21.6756, 14.1171



11.9833, 21.6756, 27.8502

Triad

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



12.4541, 21.6756, 14.1171



22.0367, 21.6756, 66.6007



29.8662, 21.6756, 9.7314

Complementary

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



12.4541, 21.6756, 14.1171



12.6760, 6.4606, 3.9481

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.



32.5964, 21.6756, 19.8077



12.4541, 21.6756, 14.1171



27.5921, 21.6756, 55.4515

Square

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



12.4541, 21.6756, 14.1171



16.9499, 21.6756, 62.8581



31.6990, 21.6756, 36.5947



24.7444, 21.6756, 5.4591

Rectangle

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



12.4541, 21.6756, 14.1171



12.7631, 21.6756, 40.2357



31.6990, 21.6756, 36.5947



31.1312, 21.6756, 12.3295

Sweetspot

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



12.4547, 21.6765, 14.1176



35.8060, 45.3524, 45.1766



11.9504, 21.6499, 3.5492



7.8660, 10.2007, 10.0082



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.



12.4547, 21.6765, 14.1176



22.2164, 38.7831, 24.8224



12.9083, 17.3898, 30.2810



5.8762, 6.5271, 6.9592



10.8090, 18.7964, 12.3018



0.1464, 0.2357, 0.2251

Inverse Universe

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



12.6760, 6.4606, 3.9481



22.6217, 11.5380, 6.6581



12.2764, 6.6899, 0.6445



5.8821, 5.8479, 6.4851



10.9999, 5.6050, 3.4802



0.1478, 0.0739, 0.1121

Previews

White Background



This preview shows how the XYZ color 12.4541, 21.6756, 14.1171 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 12.4541, 21.6756, 14.1171 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 12.4541, 21.6756, 14.1171

Background



This preview shows how black text looks on a background with the XYZ color 12.4541, 21.6756, 14.1171.



This preview shows how white text looks on a background with the XYZ color 12.4541, 21.6756,

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

12.4541, 21.6756, 14.1171

Protanopia

19.8801, 21.5135, 11.9088

Deuteranopia

21.6542, 21.2287, 15.0128



Tritanopia

16.3802, 21.7206, 32.6073

Trichromacy



Original Color

12.4541, 21.6756, 14.1171



Protanomaly

14.4916, 20.1239, 12.5717



Deuteranomaly

15.0402, 19.5473, 14.5356



Tritanomaly

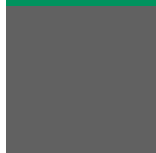
14.4789, 21.5800, 24.5213

Monochromacy



Original Color

12.4541, 21.6756, 14.1171



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

10.2287, 14.1301, 13.2546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4541, 21.6756, 14.1171 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(0, 147, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 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(0, 147, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.4541, 21.6756, 14.1171 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(0, 147, 94) }
```


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

```
.border{ border-color:rgb(0, 147, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4541, 21.6756, 14.1171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 94) }
```

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

```
.background{ background-color: rgb(0, 147,  
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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