

Converting Colors

XYZ(14.1743, 22.0365, 9.6597)

Have a look what the booklet for
XYZ(14.1743, 22.0365, 9.6597)
contains.

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Color

**XYZ(14.1234, 21.9509,
9.6235)**

Conversions

Conversions Part 1

Format	Color
Hex	4C9048
RGB	76, 144, 72
RGB Percent	30%, 56%, 28%
CMY	0.7020, 0.4353, 0.7176
CMYK	0.47, 0.00, 0.50, 0.44
HSL	117°, 33%, 42%
HSV	117°, 50%, 56%
XYZ	14.1234, 21.9509, 9.6235
YIQ	115.4600, -17.4160, -36.8080

Conversions

Conversions Part 2

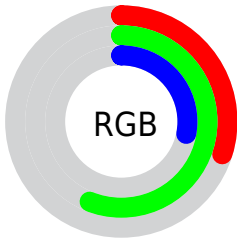
Format	Color
R_{YB}	72, 144, 140
Decimal	5017672
CIE _{Lab}	53.97, -36.78, 31.56
CIE _{LCh}	54, 48.466, 139.373
Yxy	21.9509, 0.3091, 0.4803
Android (android.graphics.Color)	4283207752 (0xFF4C9048)
YUV	115.4600, -21.4258, -34.6064
Hunter-Lab	46.8518, -28.1821, 20.6179

Details

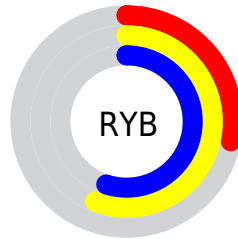
The XYZ color **14.1234, 21.9509, 9.6235** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.1680, 12.2247, 27.7888**, and the grayscale version is **16.5029, 17.3624, 18.9076**.

A 20% lighter version of the original color is **32.7602, 46.4604, 25.6535**, and **4.3584, 8.0373, 2.2414** is the 20% darker color. If you saturate the color by 10%, you get **12.7390, 21.2860, 7.3873**, and if you desaturate by 10%, it is **15.8474, 22.7795, 12.4510**.

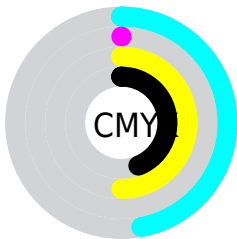
Distribution



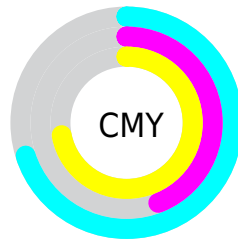
- Red (30%)
- Green (56%)
- Blue (28%)



- Red (28%)
- Yellow (56%)
- Blue (55%)



- Cyan (47%)
- Magenta (0%)
- Yellow (50%)
- Black (44%)



- Cyan (70%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1234, 21.9509, 9.6235 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 14.1234, 21.9509, 9.6235 by changing the saturation by 10% instead.

■ 14.1234, 21.9509,
9.6235

■ 14.1234, 21.9509,
9.6235

211.4924,
262.2898, 198.3496

■ 8.2888, 13.8208,
5.0477

■ 32.8923, 46.6648,
25.6815

■ 4.3337, 7.9962,
2.2161

■ 46.5573, 64.0175,
38.0009

■ 1.8926, 4.0925,
0.6836

■ 63.5631, 85.2131,
53.7385

■ 0.5725, 1.7254,
0.0000

■ 84.2751, 110.6361,
73.3129

■ 0.0000, 0.4400,
0.0000

■ 109.0587,
140.6709, 97.1427

■ 0.0000, 0.0000,
0.0000

138.2792,

175.7018, 125.6464

172.3020,
216.1133, 159.2425

■ 14.1234, 21.9509,
9.6235

■ 14.1234, 21.9509,
9.6235

■ 12.7390, 21.2860,
7.3873

■ 15.8474, 22.7795,
12.4510

■ 11.6704, 20.7713,
5.6991

■ 17.9297, 23.7786,
15.9061

■ 10.8929, 20.3959,
4.5123


■ 20.3895, 24.9581,
20.0238


■ 10.3778, 20.1463,
3.7715


■ 23.2443, 26.3263,
24.8362


■ 10.0738, 19.9990,
3.3293


■ 26.5103, 27.8908,
30.3733

 10.0738, 19.9990,
3.3293

 30.2030, 29.6591,
36.6633

 34.3370, 31.6380,
43.7330

 38.9262, 33.8343,
51.6077

 43.9838, 36.2542,
60.3117

Harmonies

Analogous

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



17.7021, 21.9509, 5.7245



14.1234, 21.9509, 9.6235



12.4575, 21.9509, 18.9726

Triad

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



14.1234, 21.9509, 9.6235



19.0633, 21.9509, 64.8599



31.8628, 21.9509, 15.5627

Complementary

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



14.1234, 21.9509, 9.6235



18.1680, 12.2247, 27.7888

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.



32.3922, 21.9509, 29.6161



14.1234, 21.9509, 9.6235



24.3809, 21.9509, 62.6732

Square

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



14.1234, 21.9509, 9.6235



14.9761, 21.9509, 53.1049



29.4658, 21.9509, 47.9900



28.1217, 21.9509, 8.0273

Rectangle

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



14.1234, 21.9509, 9.6235



12.4304, 21.9509, 28.9054



29.4658, 21.9509, 47.9900



32.4435, 21.9509, 19.5100

Sweetspot

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



14.1239, 21.9518, 9.6240



38.2345, 45.1082, 39.1421



21.9339, 24.9215, 9.7856



8.5538, 10.2416, 8.6153



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.1239, 21.9518, 9.6240



22.2064, 37.4161, 12.6117



15.1047, 22.3086, 16.3952



5.3689, 6.0428, 5.7728



8.7788, 17.4183, 2.8994



0.0884, 0.1688, 0.0279

Inverse Universe

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



18.1680, 12.2247, 27.7888



30.1691, 18.2080, 48.4624



16.7892, 11.7524, 16.9482



5.5971, 5.4960, 6.7946



13.2328, 6.3154, 23.4986



0.1324, 0.0634, 0.2249

Previews

White Background



This preview shows how the XYZ color 14.1234, 21.9509, 9.6235 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 14.1234, 21.9509, 9.6235 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 14.1234, 21.9509, 9.6235

Background



This preview shows how black text looks on a background with the XYZ color 14.1234, 21.9509, 9.6235.



This preview shows how white text looks on a background with the XYZ color 14.1234, 21.9509,

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

14.1234, 21.9509, 9.6235

Protanopia

19.8876, 21.5944, 8.4301

Deuteranopia

22.1328, 21.7697, 10.0566



Tritanopia

18.3850, 21.9390, 30.8694

Trichromacy



Original Color

14.1234, 21.9509, 9.6235

Protanomaly

17.0705, 21.3314, 8.8479

Deuteranomaly

18.1387, 21.2526, 9.8028

Tritanomaly

16.4605, 21.7997, 21.1095

Monochromacy



Original Color

14.1234, 21.9509, 9.6235

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.0798, 18.5893, 14.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1234, 21.9509, 9.6235 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(76, 144, 72)` looks like.

```
.text, #text, p{  
    color:rgb(76, 144, 72)  
}
```

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(76, 144, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 144, 72) }
```

Border

The CSS property to change the border of an element to XYZ 14.1234, 21.9509, 9.6235 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(76, 144, 72) }
```


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

```
.border{ border-color:rgb(76, 144, 72) }
```

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

Here you see how a box with a 4 pixel rgb(76, 144, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 144, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 144, 72);  
box-shadow:4px 4px 4px 4px rgb(76, 144,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1234, 21.9509, 9.6235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 144, 72) }
```

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

```
.background{ background-color: rgb(76, 144,  
72) }
```

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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