

Converting Colors

XYZ(13.5103, 21.8091, 7.4753)

Have a look what the booklet for
XYZ(13.5103, 21.8091, 7.4753)
contains.

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Color

**XYZ(13.5616, 21.9340,
7.5219)**

Conversions

Conversions Part 1

Format	Color
Hex	48913A
RGB	72, 145, 58
RGB Percent	28%, 57%, 23%
CMY	0.7176, 0.4314, 0.7725
CMYK	0.50, 0.00, 0.60, 0.43
HSL	110°, 43%, 40%
HSV	110°, 60%, 57%
XYZ	13.5616, 21.9340, 7.5219
YIQ	113.2550, -15.5810, -42.5330

Conversions

Conversions Part 2

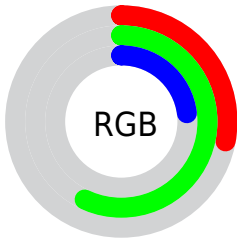
Format	Color
RYB	58, 145, 131
Decimal	4755770
CIELab	53.96, -40.27, 38.55
CIELCh	54, 55.745, 136.246
Yxy	21.9340, 0.3153, 0.5099
Android (android.graphics.Color)	4282945850 (0xFF48913A)
YUV	113.2550, -27.2407, -36.1806
Hunter-Lab	46.8337, -30.2710, 23.2611

Details

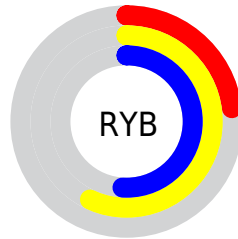
The XYZ color **13.5616, 21.9340, 7.5219** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.9851, 9.8965, 27.8570**, and the grayscale version is **15.8541, 16.6797, 18.1642**.

A 20% lighter version of the original color is **31.9652, 46.8269, 21.5411**, and **4.1177, 8.0615, 1.4826** is the 20% darker color. If you saturate the color by 10%, you get **12.4246, 21.3853, 5.8070**, and if you desaturate by 10%, it is **14.9832, 22.6187, 9.7934**.

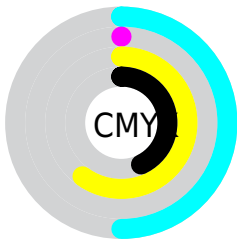
Distribution



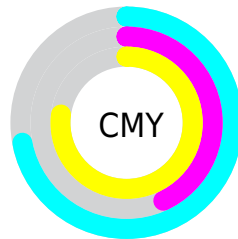
- Red (28%)
- Green (57%)
- Blue (23%)



- Red (23%)
- Yellow (57%)
- Blue (51%)



- Cyan (50%)
- Magenta (0%)
- Yellow (60%)
- Black (43%)



- Cyan (72%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5616, 21.9340, 7.5219 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 13.5616, 21.9340, 7.5219 by changing the saturation by 10% instead.

■ 13.5616, 21.9340,
7.5219

■ 13.5616, 21.9340,
7.5219

208.0519,
262.2014, 181.7247

■ 7.8960, 13.8084,
3.7072

■ 31.9019, 46.6369,
21.5462

■ 4.0797, 7.9875,
1.4661

■ 45.3074, 63.9830,
32.5929

■ 1.7473, 4.0870,
0.1925

■ 62.0235, 85.1714,
46.8873

■ 0.4856, 1.7223,
0.0000

■ 82.4157, 110.5864,
64.8480

■ 0.0000, 0.4381,
0.0000

■ 106.8493,
140.6126, 86.8936

■ 0.0000, 0.0000,
0.0000

■ 135.6896,

175.6342, 113.4425

169.3020,
216.0357, 144.9134

■ 13.5616, 21.9340,
7.5219

■ 13.5616, 21.9340,
7.5219

■ 12.4246, 21.3853,
5.8070

■ 14.9832, 22.6187,
9.7934

■ 11.5508, 20.9607,
4.5995

■ 16.7054, 23.4449,
12.6623

■ 10.9187, 20.6509,
3.8441

■ 18.7451, 24.4209,
16.1674

■ 10.4868, 20.4378,
3.3922

■ 21.1173, 25.5538,
20.3435

■ 10.4868, 20.4378,
3.3922

■ 23.8361, 26.8502,
25.2232

■ 26.9148, 28.3163,
30.8368

■ 30.3658, 29.9578,
37.2129

■ 34.2012, 31.7804,
44.3785

■ 38.4324, 33.7894,
52.3593

Harmonies

Analogous

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



17.7774, 21.9340, 4.1111



13.5616, 21.9340, 7.5219



11.5129, 21.9340, 16.8429

Triad

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



13.5616, 21.9340, 7.5219



18.2177, 21.9340, 72.6460



34.0350, 21.9340, 15.7647

Complementary

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



13.5616, 21.9340, 7.5219



15.9851, 9.8965, 27.8570

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.



34.2157, 21.9340, 32.6521



13.5616, 21.9340, 7.5219



24.2525, 21.9340, 71.8664

Square

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



13.5616, 21.9340, 7.5219



13.8303, 21.9340, 56.6740



30.3641, 21.9340, 54.8816



29.9095, 21.9340, 7.0603

Rectangle

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



13.5616, 21.9340, 7.5219



11.3368, 21.9340, 27.6692



30.3641, 21.9340, 54.8816



34.5828, 21.9340, 20.4579

Sweetspot

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



13.5621, 21.9349, 7.5224



38.5642, 46.1180, 37.7625



20.4910, 22.4249, 7.2518



8.3114, 10.1317, 7.9245



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.



13.5621, 21.9349, 7.5224



21.6498, 38.0054, 9.5431



13.5913, 21.8395, 12.5165



5.4187, 6.0685, 5.7751



9.0102, 17.5375, 2.9102



0.0984, 0.1740, 0.0284

Inverse Universe

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



15.9851, 9.8965, 27.8570



26.3211, 14.3905, 49.3639



16.3433, 10.3074, 17.6520



5.5423, 5.4677, 6.7920



11.2461, 5.2912, 23.4056



0.1223, 0.0582, 0.2245

Previews

White Background



This preview shows how the XYZ color 13.5616, 21.9340, 7.5219 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 13.5616, 21.9340, 7.5219 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 13.5616, 21.9340, 7.5219

Background



This preview shows how black text looks on a background with the XYZ color 13.5616, 21.9340, 7.5219.



This preview shows how white text looks on a background with the XYZ color 13.5616, 21.9340,

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

13.5616, 21.9340, 7.5219

Protanopia

19.6895, 21.5350, 6.4871

Deuteranopia

22.0142, 21.5698, 8.0041



Tritanopia

18.2871, 21.8886, 30.8648

Trichromacy



Original Color

13.5616, 21.9340, 7.5219

Protanomaly

16.5508, 21.1079, 6.8163

Deuteranomaly

17.6045, 20.8251, 7.6492

Tritanomaly

15.8944, 21.5420, 19.5400

Monochromacy



Original Color

13.5616, 21.9340, 7.5219

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.3464, 18.0542, 13.0846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5616, 21.9340, 7.5219 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(72, 145, 58)` looks like.

```
.text, #text, p{  
    color:rgb(72, 145, 58)  
}
```

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(72, 145, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 145, 58) }
```

Border

The CSS property to change the border of an element to XYZ 13.5616, 21.9340, 7.5219 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(72, 145, 58) }
```


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

```
.border{ border-color:rgb(72, 145, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 145, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 145, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 145, 58);  
box-shadow:4px 4px 4px 4px rgb(72, 145,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5616, 21.9340, 7.5219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 145, 58) }
```

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

```
.background{ background-color: rgb(72, 145,  
58) }
```

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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