

Converting Colors

XYZ(13.5452, 22.1908, 7.4377)

Have a look what the booklet for
XYZ(13.5452, 22.1908, 7.4377)
contains.

XYZ(13.5432, 22.1553, 7.4335)	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(13.5432, 22.1553,
7.4335)**

Conversions

Conversions Part 1

Format	Color
Hex	469239
RGB	70, 146, 57
RGB Percent	27%, 57%, 22%
CMY	0.7255, 0.4274, 0.7765
CMYK	0.52, 0.00, 0.61, 0.43
HSL	111°, 44%, 40%
HSV	111°, 61%, 57%
XYZ	13.5432, 22.1553, 7.4335
YIQ	113.1300, -16.7270, -43.7910

Conversions

Conversions Part 2

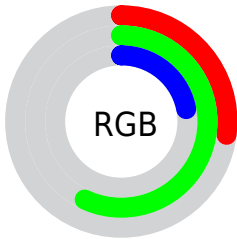
Format	Color
RYB	57, 146, 133
Decimal	4624953
CIELab	54.19, -41.39, 39.28
CIELCh	54, 57.064, 136.503
Yxy	22.1553, 0.3140, 0.5137
Android (android.graphics.Color)	4282815033 (0xFF469239)
YUV	113.1300, -27.6721, -37.8250
Hunter-Lab	47.0694, -31.0120, 23.5851

Details

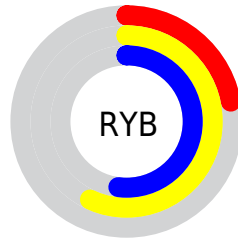
The XYZ color **13.5432, 22.1553, 7.4335** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.3255, 9.9889, 28.2630**, and the grayscale version is **15.8183, 16.6421, 18.1232**.

A 20% lighter version of the original color is **31.9979, 47.1948, 21.3330**, and **4.0317, 8.0184, 1.4214** is the 20% darker color. If you saturate the color by 10%, you get **12.4223, 21.6143, 5.7457**, and if you desaturate by 10%, it is **14.9567, 22.8363, 9.6827**.

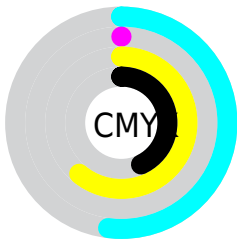
Distribution



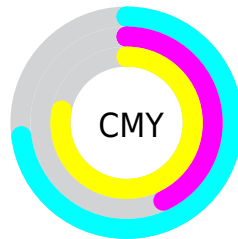
- Red (27%)
- Green (57%)
- Blue (22%)



- Red (22%)
- Yellow (57%)
- Blue (52%)



- Cyan (52%)
- Magenta (0%)
- Yellow (61%)
- Black (43%)



- Cyan (73%)
- Magenta (43%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5432, 22.1553, 7.4335 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 13.5432, 22.1553, 7.4335 by changing the saturation by 10% instead.

■ 13.5432, 22.1553,
7.4335

■ 13.5432, 22.1553,
7.4335

207.9382,
263.3562, 180.9840

■ 7.8832, 13.9711,
3.6521

■ 31.8694, 47.0025,
21.3677

■ 4.0715, 8.1005,
1.4365

■ 45.2662, 64.4343,
32.3576

■ 1.7427, 4.1593,
0.1700

■ 61.9728, 85.7174,
46.5874

■ 0.4827, 1.7631,
0.0000

■ 82.3544, 111.2362,
64.4756

■ 0.0000, 0.4640,
0.0000

■ 106.7764,
141.3751, 86.4409

■ 0.0000, 0.0000,
0.0000

■ 135.6041,

176.5184, 112.9017

169.2029,
217.0507, 144.2765

■ 13.5432, 22.1553,
7.4335

■ 13.5432, 22.1553,
7.4335

■ 12.4223, 21.6143,
5.7457

■ 14.9567, 22.8363,
9.6827

■ 11.5716, 21.2009,
4.5685

■ 16.6800, 23.6634,
12.5355

■ 10.9676, 20.9050,
3.8446

■ 18.7308, 24.6454,
16.0313

■ 10.5955, 20.7217,
3.4412

■ 21.1252, 25.7898,
20.2063

■ 23.8780, 27.1036,
25.0936

■ 27.0031, 28.5932,
30.7243

■ 30.5139, 30.2650,
37.1276

■ 34.4228, 32.1247,
44.3313

■ 38.7420, 34.1781,
52.3615

Harmonies

Analogous

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



17.8514, 22.1553, 3.9677



13.5432, 22.1553, 7.4335



11.4668, 22.1553, 17.0031

Triad

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



13.5432, 22.1553, 7.4335



18.3975, 22.1553, 74.8446



34.6729, 22.1553, 15.6704

Complementary

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



13.5432, 22.1553, 7.4335



16.3255, 9.9889, 28.2630

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.



34.8989, 22.1553, 32.9968



13.5432, 22.1553, 7.4335



24.6272, 22.1553, 73.8636

Square

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



13.5432, 22.1553, 7.4335



13.8751, 22.1553, 58.3099



30.9379, 22.1553, 56.0602



30.3703, 22.1553, 6.8710

Rectangle

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



13.5432, 22.1553, 7.4335



11.2993, 22.1553, 28.1979



30.9379, 22.1553, 56.0602



35.2537, 22.1553, 20.4615

Sweetspot

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



13.5437, 22.1562, 7.4340



38.4634, 46.0660, 37.7577



20.9333, 23.0869, 7.2242



8.2866, 10.1189, 7.9233



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.



13.5437, 22.1562, 7.4340



21.3329, 37.8469, 9.3069



13.7346, 22.1358, 12.8145



5.8038, 6.5067, 6.1905



9.3362, 18.2409, 3.0288



0.1294, 0.2310, 0.0378

Inverse Universe

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



16.3255, 9.9889, 28.2630



26.6072, 14.4133, 49.3532



16.4039, 10.2722, 17.2935



5.9530, 5.8667, 7.2884



11.9815, 5.6492, 24.3900



0.1649, 0.0786, 0.2994

Previews

White Background



This preview shows how the XYZ color 13.5432, 22.1553, 7.4335 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 13.5432, 22.1553, 7.4335 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 13.5432, 22.1553, 7.4335

Background



This preview shows how black text looks on a background with the XYZ color 13.5432, 22.1553, 7.4335.



This preview shows how white text looks on a background with the XYZ color 13.5432, 22.1553,

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

13.5432, 22.1553, 7.4335

Protanopia

19.9717, 21.8777, 6.4190

Deuteranopia

22.3064, 21.9070, 7.9033



Tritanopia

18.3155, 22.1041, 31.3182

Trichromacy



Original Color

13.5432, 22.1553, 7.4335

Protanomaly

16.6659, 21.3762, 6.7377

Deuteranomaly

17.7110, 21.0815, 7.5506

Tritanomaly

15.8659, 21.7433, 19.5803

Monochromacy



Original Color

13.5432, 22.1553, 7.4335

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.2392, 17.9989, 13.0796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5432, 22.1553, 7.4335 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(70, 146, 57)` looks like.

```
.text, #text, p{  
    color:rgb(70, 146, 57)  
}
```

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(70, 146, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 146, 57) }
```

Border

The CSS property to change the border of an element to XYZ 13.5432, 22.1553, 7.4335 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(70, 146, 57) }
```


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

```
.border{ border-color:rgb(70, 146, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 146, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 146, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 146, 57);  
box-shadow:4px 4px 4px 4px rgb(70, 146,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5432, 22.1553, 7.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 146, 57) }
```

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

```
.background{ background-color: rgb(70, 146,  
57) }
```

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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