

Converting Colors

XYZ(13.5041, 21.5381, 3.6983)

Have a look what the booklet for
XYZ(13.5041, 21.5381, 3.6983)
contains.

XYZ(13.5279, 21.5495, 3.7049)	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(13.5279, 21.5495,
3.7049)**

Conversions

Conversions Part 1

Format	Color
Hex	548F09
RGB	84, 143, 9
RGB Percent	33%, 56%, 4%
CMY	0.6706, 0.4392, 0.9647
CMYK	0.41, 0.00, 0.94, 0.44
HSL	86°, 88%, 30%
HSV	86°, 94%, 56%
XYZ	13.5279, 21.5495, 3.7049
YIQ	110.0830, 7.8500, -54.1820

Conversions

Conversions Part 2

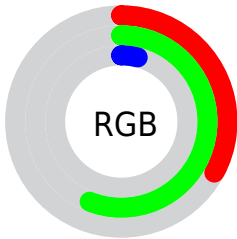
Format	Color
R_{YB}	9, 143, 68
Decimal	5541641
CIE Lab	53.55, -38.71, 55.10
CIE LCh	54, 67.336, 125.091
Yxy	21.5495, 0.3488, 0.5557
Android (android.graphics.Color)	4283731721 (0xFF548F09)
YUV	110.0830, -49.8339, -22.8748
Hunter-Lab	46.4214, -29.2200, 27.7631

Details

The XYZ color **13.5279, 21.5495, 3.7049** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.4409, 3.4083, 26.2536**, and the grayscale version is **14.9827, 15.7630, 17.1659**.

A 20% lighter version of the original color is **31.7834, 45.8894, 13.3133**, and **4.2791, 7.8873, 1.2969** is the 20% darker color. If you saturate the color by 10%, you get **13.1339, 21.3528, 3.4293**, and if you desaturate by 10%, it is **14.2261, 21.8976, 4.3039**.

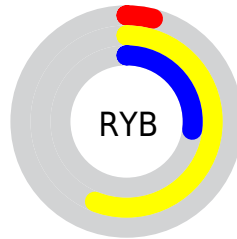
Distribution



Red (33%)

Green (56%)

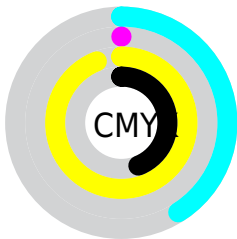
Blue (4%)



Red (4%)

Yellow (56%)

Blue (27%)

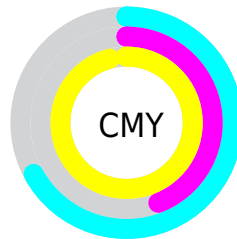


Cyan (41%)

Magenta (0%)

Yellow (94%)

Black (44%)



Cyan (67%)

Magenta (44%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5279, 21.5495, 3.7049 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 13.5279, 21.5495, 3.7049 by changing the saturation by 10% instead.

■ 13.5279, 21.5495,
3.7049

■ 13.5279, 21.5495,
3.7049

207.8437,
260.1845, 144.8866

■ 7.8725, 13.5263,
1.4649

■ 31.8423, 46.0003,
13.3232

■ 4.0646, 7.7919,
0.1916

■ 45.2320, 63.1966,
21.5387

■ 1.7388, 3.9621,
0.0000

■ 61.9306, 84.2194,
32.5830

■ 0.4803, 1.6524,
0.0000

■ 82.3034, 109.4531,
46.8747


■ 0.0000, 0.3925,
0.0000


■ 106.7158,
139.2821, 64.8324


■ 0.0000, 0.0000,
0.0000


■ 135.5330,


174.0907, 86.8745


 169.1205,
214.2634, 113.4198


 13.5279, 21.5495,
3.7049


 13.5279, 21.5495,
3.7049


 13.1339, 21.3528,
3.4293

 14.2261, 21.8976,
4.3039

 15.0531, 22.3025,
5.3124

 16.0218, 22.7702,
6.7890

 17.1424, 23.3049,
8.7818

 18.4241, 23.9105,
11.3331

■ 19.8752, 24.5904,
14.4807

■ 21.5034, 25.3478,
18.2591

■ 23.3157, 26.1857,
22.7002

■ 25.3188, 27.1068,
27.8337

Harmonies

Analogous

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



19.2816, 21.5495, 2.0075



13.5279, 21.5495, 3.7049



10.3407, 21.5495, 10.4420

Triad

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



13.5279, 21.5495, 3.7049



15.2014, 21.5495, 80.6776



37.5359, 21.5495, 20.1280

Complementary

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



13.5279, 21.5495, 3.7049



7.4409, 3.4083, 26.2536

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.



35.7245, 21.5495, 44.3614



13.5279, 21.5495, 3.7049



21.7315, 21.5495, 88.9683

Square

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



13.5279, 21.5495, 3.7049



11.1369, 21.5495, 54.3142



29.4857, 21.5495, 72.9478



33.9791, 21.5495, 7.2859

Rectangle

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



13.5279, 21.5495, 3.7049



9.5783, 21.5495, 20.2408



29.4857, 21.5495, 72.9478



37.5416, 21.5495, 27.0118

Sweetspot

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



13.5284, 21.5504, 3.7054



37.0404, 44.7105, 29.2423



13.3892, 9.8828, 1.4606



8.2381, 10.1338, 6.1183



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.



13.5284, 21.5504, 3.7054



23.3202, 38.1348, 6.1317



10.1207, 19.7937, 3.5459



5.6134, 6.1688, 5.7842



11.6366, 18.8915, 3.0331



0.1366, 0.1937, 0.0302

Inverse Universe

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



7.4409, 3.4083, 26.2536



12.3561, 5.3441, 46.9183



14.8987, 7.2530, 26.6026



5.3409, 5.3639, 6.7826



6.2180, 2.6991, 23.1703



0.0841, 0.0385, 0.2227

Previews

White Background



This preview shows how the XYZ color 13.5279, 21.5495, 3.7049 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 13.5279, 21.5495, 3.7049 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 13.5279, 21.5495, 3.7049

Background



This preview shows how black text looks on a background with the XYZ color 13.5279, 21.5495, 3.7049.



This preview shows how white text looks on a background with the XYZ color 13.5279, 21.5495,

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

13.5279, 21.5495, 3.7049

Protanopia

19.2208, 21.3676, 3.1113

Deuteranopia

21.5563, 21.2370, 4.1254



Tritanopia

18.6771, 21.4980, 29.5507

Trichromacy



Original Color

13.5279, 21.5495, 3.7049

Protanomaly

16.4300, 20.9192, 3.2580

Deuteranomaly

17.5108, 20.6640, 3.8247

Tritanomaly

15.6273, 21.0972, 14.0750

Monochromacy



Original Color

13.5279, 21.5495, 3.7049

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.5290, 17.1668, 8.9038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5279, 21.5495, 3.7049 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(84, 143, 9)` looks like.

```
.text, #text, p{  
    color:rgb(84, 143, 9)  
}
```

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(84, 143, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 143, 9) }
```

Border

The CSS property to change the border of an element to XYZ 13.5279, 21.5495, 3.7049 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(84, 143, 9) }
```


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

```
.border{ border-color:rgb(84, 143, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 143, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 143, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 143, 9);  
box-shadow:4px 4px 4px 4px rgb(84, 143, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5279, 21.5495, 3.7049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 143, 9) }
```

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

```
.background{ background-color: rgb(84, 143,  
9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor