

Converting Colors

XYZ(13.5704, 21.4942, 9.3628)

Have a look what the booklet for
XYZ(13.5704, 21.4942, 9.3628)
contains.

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Color

**XYZ(13.5583, 21.4394,
9.3849)**

Conversions

Conversions Part 1

Format	Color
Hex	478F47
RGB	71, 143, 71
RGB Percent	28%, 56%, 28%
CMY	0.7216, 0.4392, 0.7216
CMYK	0.50, 0.00, 0.50, 0.44
HSL	120°, 34%, 42%
HSV	120°, 50%, 56%
XYZ	13.5583, 21.4394, 9.3849
YIQ	113.2640, -19.8000, -37.6560

Conversions

Conversions Part 2

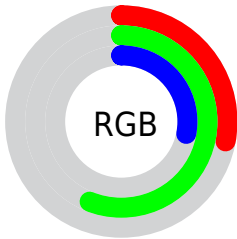
Format	Color
RYB	71, 143, 143
Decimal	4689735
CIELab	53.43, -38.00, 31.36
CIELCh	53, 49.269, 140.474
Yxy	21.4394, 0.3055, 0.4831
Android (android.graphics.Color)	4282879815 (0xFF478F47)
YUV	113.2640, -20.8362, -37.0655
Hunter-Lab	46.3027, -28.7616, 20.3946

Details

The XYZ color **13.5583, 21.4394, 9.3849** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.5394, 12.3296, 27.3897**, and the grayscale version is **15.8391, 16.6640, 18.1471**.

A 20% lighter version of the original color is **31.8749, 45.6730, 25.2249**, and **4.1047, 7.7783, 2.1492** is the 20% darker color. If you saturate the color by 10%, you get **12.2243, 20.7992, 7.2024**, and if you desaturate by 10%, it is **15.2483, 22.2518, 12.1488**.

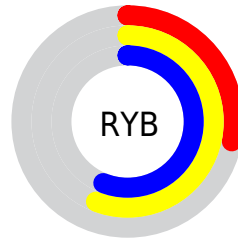
Distribution



Red (28%)

Green (56%)

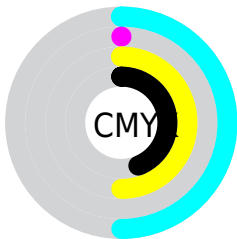
Blue (28%)



Red (28%)

Yellow (56%)

Blue (56%)

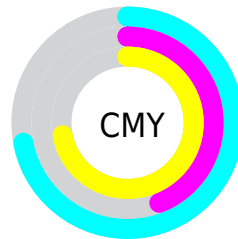


Cyan (50%)

Magenta (0%)

Yellow (50%)

Black (44%)



Cyan (72%)

Magenta (44%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5583, 21.4394, 9.3849 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 13.5583, 21.4394, 9.3849 by changing the saturation by 10% instead.

■ 13.5583, 21.4394,
9.3849

■ 13.5583, 21.4394,
9.3849

208.0315,
259.6045, 196.5464

■ 7.8937, 13.4456,
4.8929

■ 31.8961, 45.8177,
25.2214

■ 4.0783, 7.7361,
2.1269

■ 45.3000, 62.9709,
37.4030

■ 1.7465, 3.9265,
0.6317

■ 62.0144, 83.9461,
52.9848

■ 0.4851, 1.6326,
0.0000

■ 82.4047, 109.1276,
72.3854

■ 0.0000, 0.3794,
0.0000

■ 106.8362,
138.8997, 96.0233

■ 0.0000, 0.0000,
0.0000

135.6742,

173.6470, 124.3171

169.2842,
213.7538, 157.6853

■ 13.5583, 21.4394,
9.3849

■ 13.5583, 21.4394,
9.3849

■ 12.2243, 20.7992,
7.2024

■ 15.2483, 22.2518,
12.1488

■ 11.2193, 20.3165,
5.5586

■ 17.3154, 23.2448,
15.5299

■ 10.5153, 19.9783,
4.4070

■ 19.7811, 24.4292,
19.5631

■ 10.0788, 19.7687,
3.6930

■ 22.6649, 25.8144,
24.2799

■ 9.8229, 19.6457,
3.2744

■ 25.9847, 27.4091,
29.7101

■ 29.7578, 29.2215,
35.8815

■ 34.0001, 31.2593,
42.8205

■ 38.7271, 33.5299,
50.5522

■ 43.9534, 36.0404,
59.1007

Harmonies

Analogous

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



17.0558, 21.4394, 5.4142



13.5583, 21.4394, 9.3849



11.9759, 21.4394, 18.8912

Triad

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



13.5583, 21.4394, 9.3849



18.7569, 21.4394, 64.8718



31.3356, 21.4394, 14.6433

Complementary

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



13.5583, 21.4394, 9.3849



18.5394, 12.3296, 27.3897

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.



32.0024, 21.4394, 28.4464



13.5583, 21.4394, 9.3849



24.1047, 21.4394, 62.0987

Square

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



13.5583, 21.4394, 9.3849



14.6198, 21.4394, 53.3833



29.1685, 21.4394, 46.9137



27.4776, 21.4394, 7.4219

Rectangle

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



13.5583, 21.4394, 9.3849



11.9963, 21.4394, 28.9859



29.1685, 21.4394, 46.9137



31.9633, 21.4394, 18.4860

Sweetspot

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



13.5588, 21.4403, 9.3854



37.9271, 44.9497, 39.1280



22.2884, 25.9405, 9.7936



8.4767, 10.2019, 8.6118



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.



13.5588, 21.4403, 9.3854



21.7018, 37.1559, 12.5886



15.0753, 22.0469, 17.3713



5.3429, 6.0294, 5.7716



8.6849, 17.3698, 2.8951



0.0830, 0.1661, 0.0277

Inverse Universe

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



18.5394, 12.3296, 27.3897



31.6443, 18.9685, 48.5299



16.2353, 11.4080, 15.2566



5.6263, 5.5110, 6.7959



14.3993, 6.9167, 23.5519



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 13.5583, 21.4394, 9.3849 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 13.5583, 21.4394, 9.3849 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 13.5583, 21.4394, 9.3849

Background



This preview shows how black text looks on a background with the XYZ color 13.5583, 21.4394, 9.3849.



This preview shows how white text looks on a background with the XYZ color 13.5583, 21.4394,

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

13.5583, 21.4394, 9.3849

Protanopia

19.3880, 21.1475, 8.2143

Deuteranopia

21.5034, 21.0806, 9.9568



Tritanopia

17.7828, 21.4295, 30.3932

Trichromacy



Original Color

13.5583, 21.4394, 9.3849

Protanomaly

16.5011, 20.8373, 8.6211

Deuteranomaly

17.4324, 20.4936, 9.6935

Tritanomaly

15.8116, 21.2582, 20.7226

Monochromacy



Original Color

13.5583, 21.4394, 9.3849

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.4493, 17.8938, 14.2476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5583, 21.4394, 9.3849 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(71, 143, 71)` looks like.

```
.text, #text, p{  
    color:rgb(71, 143, 71)  
}
```

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(71, 143, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 143, 71) }
```

Border

The CSS property to change the border of an element to XYZ 13.5583, 21.4394, 9.3849 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(71, 143, 71) }
```


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

```
.border{ border-color:rgb(71, 143, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 143, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 143, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 143, 71);  
box-shadow:4px 4px 4px 4px rgb(71, 143,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5583, 21.4394, 9.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 143, 71) }
```

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

```
.background{ background-color: rgb(71, 143,  
71) }
```

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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