

Converting Colors

XYZ(14.5530, 23.1047, 17.1376)

Have a look what the booklet for
XYZ(14.5530, 23.1047, 17.1376)
contains.

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Color

**XYZ(14.5639, 23.1678,
17.0688)**

Conversions

Conversions Part 1

Format	Color
Hex	319569
RGB	49, 149, 105
RGB Percent	19%, 58%, 41%
CMY	0.8078, 0.4157, 0.5882
CMYK	0.67, 0.00, 0.30, 0.42
HSL	154°, 51%, 39%
HSV	154°, 67%, 58%
XYZ	14.5639, 23.1678, 17.0688
YIQ	114.0840, -45.4760, -34.8840

Conversions

Conversions Part 2

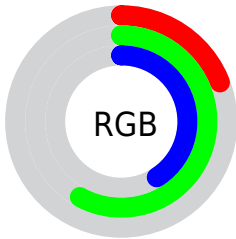
Format	Color
RYB	49, 113, 149
Decimal	3249513
CIELab	55.24, -39.53, 15.00
CIElCh	55, 42.281, 159.226
Yxy	23.1678, 0.2658, 0.4228
Android (android.graphics.Color)	4281439593 (0xFF319569)
YUV	114.0840, -4.4784, -57.0787
Hunter-Lab	48.1329, -30.2227, 12.6678

Details

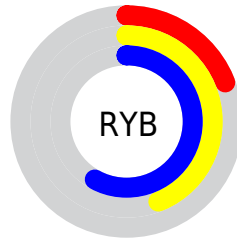
The XYZ color **14.5639, 23.1678, 17.0688** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.4693, 9.3771, 11.3516**, and the grayscale version is **16.0428, 16.8783, 18.3805**.

A 20% lighter version of the original color is **33.6570, 48.7118, 39.0809**, and **5.0384, 8.8549, 5.4466** is the 20% darker color. If you saturate the color by 10%, you get **13.6366, 22.7278, 15.3339**, and if you desaturate by 10%, it is **15.7560, 23.7425, 18.9528**.

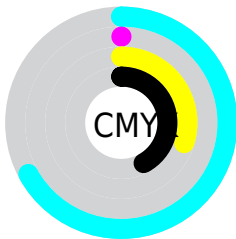
Distribution



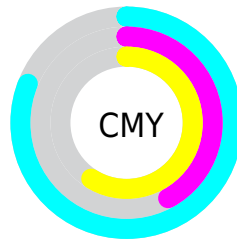
- Red (19%)
- Green (58%)
- Blue (41%)



- Red (19%)
- Yellow (44%)
- Blue (58%)



- Cyan (67%)
- Magenta (0%)
- Yellow (30%)
- Black (42%)



- Cyan (81%)
- Magenta (42%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5639, 23.1678, 17.0688 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 14.5639, 23.1678, 17.0688 by changing the saturation by 10% instead.

■ 14.5639, 23.1678,
17.0688

■ 14.5639, 23.1678,
17.0688

■ 214.1523,
268.5857, 247.6259

■ 8.5982, 14.7175,
10.1211

■ 33.6643, 48.6687,
39.2363

■ 4.5351, 8.6213,
5.3727

■ 47.5297, 66.4881,
55.2932

■ 2.0091, 4.4950,
2.4050

■ 64.7590, 88.1992,
75.2235

■ 0.6390, 1.9541,
0.7892

■ 85.7176, 114.1866,
99.4458

■ 0.0000, 0.5806,
0.0000

■ 110.7709,
144.8345, 128.3787

■ 0.0000, 0.0000,
0.0000

■ 140.2843,

180.5274, 162.4406

174.6229,
221.6496, 202.0502

■ 14.5639, 23.1678,
17.0688

■ 14.5639, 23.1678,
17.0688

■ 13.6366, 22.7278,
15.3339

■ 15.7560, 23.7425,
18.9528

■ 12.9473, 22.4070,
13.7423

■ 17.2328, 24.4603,
20.9881

■ 12.4546, 22.1847,
12.2893

■ 19.0143, 25.3321,
23.1792

■ 12.3262, 22.1271,
11.8941

■ 21.1181, 26.3668,
25.5296

■ 23.5604, 27.5727,
28.0428

■ 26.3562, 28.9576,
30.7220

■ 29.5199, 30.5287,
33.5706

■ 33.0646, 32.2929,
36.5915

■ 37.0031, 34.2566,
39.7879

Harmonies

Analogous

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



16.7547, 23.1678, 9.9492



14.5639, 23.1678, 17.0688



14.2073, 23.1678, 29.6370

Triad

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



14.5639, 23.1678, 17.0688



23.5110, 23.1678, 60.6628



29.8444, 23.1678, 12.0785

Complementary

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



14.5639, 23.1678, 17.0688



15.4693, 9.3771, 11.3516

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.



32.2735, 23.1678, 21.2756



14.5639, 23.1678, 17.0688



28.2875, 23.1678, 51.2635

Square

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



14.5639, 23.1678, 17.0688



18.9493, 23.1678, 58.2603



31.6662, 23.1678, 35.6387



25.4064, 23.1678, 7.8679

Rectangle

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



14.5639, 23.1678, 17.0688



14.9982, 23.1678, 40.2016



31.6662, 23.1678, 35.6387



30.9499, 23.1678, 14.5250

Sweetspot

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



14.5645, 23.1687, 17.0693



40.6830, 48.6313, 48.7044



15.9187, 24.0974, 6.7183



8.7689, 10.6554, 10.5402



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.5645, 23.1687, 17.0693



23.6881, 40.3583, 25.8522



16.6655, 22.7704, 31.9516



5.8574, 6.5195, 6.8599



10.3889, 18.6284, 10.0896



0.1420, 0.2339, 0.2017

Inverse Universe

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



15.4693, 9.3771, 11.3516



25.4489, 13.7934, 14.9281



14.2687, 9.2502, 3.9395



5.9005, 5.8552, 6.5820



11.2630, 5.7102, 4.8658



0.1523, 0.0757, 0.1355

Previews

White Background



This preview shows how the XYZ color 14.5639, 23.1678, 17.0688 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 14.5639, 23.1678, 17.0688 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 14.5639, 23.1678, 17.0688

Background



This preview shows how black text looks on a background with the XYZ color 14.5639, 23.1678, 17.0688.



This preview shows how white text looks on a background with the XYZ color 14.5639, 23.1678,

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

14.5639, 23.1678, 17.0688

Protanopia

21.2585, 22.7584, 14.5816

Deuteranopia

23.2242, 22.7229, 17.9138



Tritanopia

18.0391, 23.2070, 34.1005

Trichromacy



Original Color

14.5639, 23.1678, 17.0688

Protanomaly

17.5731, 22.2852, 15.4319

Deuteranomaly

18.3021, 21.7777, 17.4263

Tritanomaly

16.4938, 23.0205, 26.8666

Monochromacy



Original Color

14.5639, 23.1678, 17.0688

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.6751, 18.5001, 17.8363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5639, 23.1678, 17.0688 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(49, 149, 105)` looks like.

```
.text, #text, p{  
    color:rgb(49, 149, 105)  
}
```

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(49, 149, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 149, 105) }
```

Border

The CSS property to change the border of an element to XYZ 14.5639, 23.1678, 17.0688 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(49, 149, 105) }
```


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

```
.border{ border-color:rgb(49, 149, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 149, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 149, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 149, 105);  
box-shadow:4px 4px 4px 4px rgb(49, 149,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5639, 23.1678, 17.0688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 149, 105) }
```

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

```
.background{ background-color: rgb(49, 149,  
105) }
```

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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