

Converting Colors

XYZ(19.7922, 13.3402, 1.5317)

Have a look what the booklet for
XYZ(19.7922, 13.3402, 1.5317)
contains.

XYZ(19.8073, 13.3702, 1.5367)	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>	30

Color

**XYZ(19.8073, 13.3702,
1.5367)**

Conversions

Conversions Part 1

Format	Color
Hex	AF4500
RGB	175, 69, 0
RGB Percent	69%, 27%, 0%
CMY	0.3137, 0.7294, 1.0000
CMYK	0.00, 0.61, 1.00, 0.31
HSL	24°, 100%, 34%
HSV	24°, 100%, 69%
XYZ	19.8073, 13.3702, 1.5367
YIQ	92.8280, 85.3250, 1.0130

Conversions

Conversions Part 2

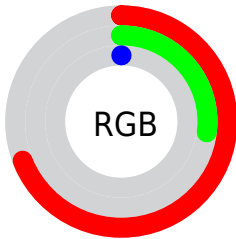
Format	Color
R_{YB}	175, 114, 0
Decimal	11486464
CIE _{Lab}	43.32, 40.77, 53.94
CIE _{LCh}	43, 67.609, 52.918
Yxy	13.3702, 0.5706, 0.3852
Android (android.graphics.Color)	4289676544 (0xFFAF4500)
YUV	92.8280, -45.7642, 72.0648
Hunter-Lab	36.5653, 32.7036, 23.1040

Details

The XYZ color **19.8073, 13.3702, 1.5367** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.8912, 13.4019, 42.4645**, and the grayscale version is **10.4543, 10.9988, 11.9777**.

A 20% lighter version of the original color is **42.4762, 31.9648, 7.6725**, and **7.0965, 3.8915, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **19.8075, 13.3709, 1.5369**, and if you desaturate by 10%, it is **20.6241, 14.8358, 2.3277**.

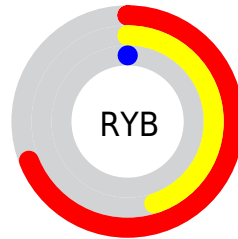
Distribution



Red (69%)

Green (27%)

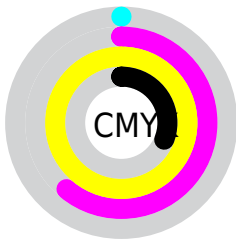
Blue (0%)



Red (69%)

Yellow (45%)

Blue (0%)

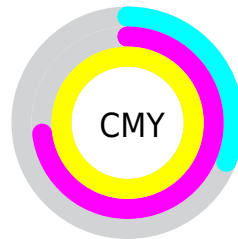


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8073, 13.3702, 1.5367 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 19.8073, 13.3702, 1.5367 by changing the saturation by 10% instead.


 19.8073, 13.3702,
1.5367


 19.8073, 13.3702,
1.5367


 243.7235,
213.2768, 114.7084


 12.3625, 7.6840,
0.2450


 42.6003, 31.9673,
7.7304


 7.0650, 3.8934,
0.0000


 58.6792, 45.6469,
13.6335

 3.5495, 1.6141,
0.0000

 78.3668, 62.7598,
21.9656

 1.4506, 0.3671,
0.0000

 102.0285, 83.6903,
33.1451


 0.2918, 0.0000,
0.0000


 130.0297,
108.8229, 47.5906


 0.0000, 0.0000,
0.0000


 162.7357,


138.5419, 65.7206


 200.5118,
173.2317, 87.9537


 19.8073, 13.3702,
1.5367


 19.8073, 13.3702,
1.5367


 19.8075, 13.3709,
1.5369

 20.6241, 14.8358,
2.3277

 21.6559, 16.5823,
3.6495

 22.9450, 18.6359,
5.6960

 24.5132, 21.0134,
8.5585

 26.3798, 23.7301,
12.3145

■ 28.5621, 26.8003,
17.0324

■ 31.0758, 30.2371,
22.7739

■ 33.9356, 34.0530,
29.5955

■ 37.1550, 38.2599,
37.5495

Harmonies

Analogous

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



24.4387, 13.3702, 5.9608



19.8073, 13.3702, 1.5367



13.9919, 13.3702, 0.5306

Triad

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



19.8073, 13.3702, 1.5367



5.0993, 13.3702, 11.2804



17.0519, 13.3702, 60.6301

Complementary

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



19.8073, 13.3702, 1.5367



12.8912, 13.4019, 42.4645

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.



11.5051, 13.3702, 66.1170



19.8073, 13.3702, 1.5367



5.5004, 13.3702, 28.9437

Square

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



19.8073, 13.3702, 1.5367



6.2427, 13.3702, 3.1664



7.5470, 13.3702, 51.8744



22.5665, 13.3702, 39.8279

Rectangle

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



19.8073, 13.3702, 1.5367



10.5849, 13.3702, 0.6142



7.5470, 13.3702, 51.8744



15.0975, 13.3702, 64.7270

Sweetspot

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



19.8076, 13.3710, 1.5369



55.4075, 53.8180, 40.2071



20.3814, 10.1948, 15.0577



11.8880, 11.3816, 7.9504



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.8076, 13.3710, 1.5369



35.2762, 23.5496, 2.6863



29.3311, 32.4180, 4.7114



8.2546, 8.5141, 8.4217



14.2414, 9.6883, 1.1194



0.4504, 0.3780, 0.0492

Inverse Universe

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



12.8912, 13.4019, 42.4645



22.8692, 23.5653, 75.9801



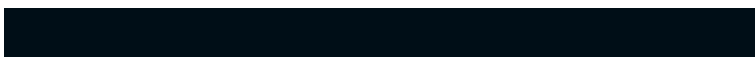
7.9954, 3.6103, 40.8325



7.9672, 8.5338, 10.1800



9.2931, 9.7200, 30.4309



0.3099, 0.3731, 0.8637

Previews

White Background



This preview shows how the XYZ color 19.8073, 13.3702, 1.5367 looks on a white 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

Black Background



This preview shows how the XYZ color 19.8073, 13.3702, 1.5367 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8073, 13.3702, 1.5367

Background



This preview shows how black text looks on a background with the XYZ color 19.8073, 13.3702, 1.5367.



This preview shows how white text looks on a background with the XYZ color 19.8073, 13.3702,

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

19.8073, 13.3702, 1.5367

Protanopia

12.1539, 13.4540, 2.4866

Tritanopia

21.0082, 13.4313, 6.9541

Trichromacy



Original Color

19.8073, 13.3702, 1.5367

Protanomaly

14.1180, 12.8247, 2.0479

Tritanomaly

20.2888, 13.3010, 3.7835

Monochromacy



Original Color

19.8073, 13.3702, 1.5367

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.1281, 10.8674, 5.5961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8073, 13.3702, 1.5367 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(175, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 69, 0)  
}
```

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(175, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 69, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.8073, 13.3702, 1.5367 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(175, 69, 0) }
```

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

```
.border{ border-color:rgb(175, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 69, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 19.8073, 13.3702, 1.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 69, 0) }
```

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

```
.background{ background-color: rgb(175, 69,  
0) }
```

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