

Converting Colors

XYZ(19.4994, 13.2843, 1.5364)

Have a look what the booklet for
XYZ(19.4994, 13.2843, 1.5364)
contains.

XYZ(19.4237, 13.2646, 1.5366)	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(19.4237, 13.2646,
1.5366)**

Conversions

Conversions Part 1

Format	Color
Hex	AD4600
RGB	173, 70, 0
RGB Percent	68%, 27%, 0%
CMY	0.3216, 0.7255, 1.0000
CMYK	0.00, 0.60, 1.00, 0.32
HSL	24°, 100%, 34%
HSV	24°, 100%, 68%
XYZ	19.4237, 13.2646, 1.5366
YIQ	92.8170, 83.8580, 0.0660

Conversions

Conversions Part 2

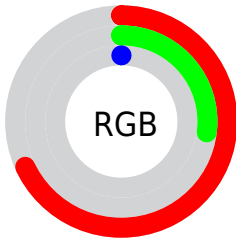
Format	Color
R_{YB}	173, 118, 0
Decimal	11355648
CIE _{Lab}	43.16, 39.51, 53.67
CIE _{LCh}	43, 66.645, 53.637
Yxy	13.2646, 0.5675, 0.3876
Android (android.graphics.Color)	4289545728 (0xFFAD4600)
YUV	92.8170, -45.7588, 70.3205
Hunter-Lab	36.4206, 31.4609, 22.9929

Details

The XYZ color **19.4237, 13.2646, 1.5366** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.3925, 12.7167, 41.3360**, and the grayscale version is **10.4521, 10.9964, 11.9751**.

A 20% lighter version of the original color is **41.8368, 31.6323, 7.7715**, and **7.0105, 3.9116, 0.3855** is the 20% darker color. If you saturate the color by 10%, you get **19.4238, 13.2651, 1.5367**, and if you desaturate by 10%, it is **20.2281, 14.7079, 2.3156**.

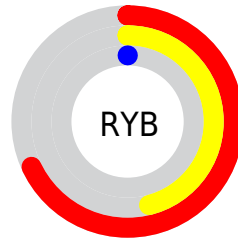
Distribution



Red (68%)

Green (27%)

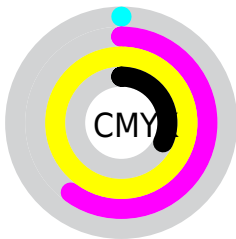
Blue (0%)



Red (68%)

Yellow (46%)

Blue (0%)

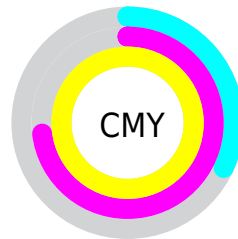


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4237, 13.2646, 1.5366 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 19.4237, 13.2646, 1.5366 by changing the saturation by 10% instead.


 19.4237, 13.2646,
1.5366


 19.4237, 13.2646,
1.5366


 241.6714,
212.6066, 114.7066


 12.0826, 7.6110,
0.2450


 41.9602, 31.7783,
7.7301


 6.8726, 3.8471,
0.0000


 57.8864, 45.4073,
13.6331


 3.4282, 1.5884,
0.0000

 77.4049, 62.4634,
21.9650

 1.3840, 0.3497,
0.0000

 100.8813, 83.3312,
33.1443

 0.2448, 0.0000,
0.0000


 128.6807,
108.3950, 47.5896


 0.0000, 0.0000,
0.0000


 161.1687,


138.0393, 65.7194


 198.7104,
172.6483, 87.9522


 19.4237, 13.2646,
1.5366


 19.4237, 13.2646,
1.5366


 19.4238, 13.2651,
1.5367

 20.2281, 14.7079,
2.3156

 21.2384, 16.4181,
3.6090

 22.4955, 18.4202,
5.6072

 24.0207, 20.7299,
8.3986

 25.8322, 23.3618,
12.0585

■ 27.9467, 26.3289,
16.6533

■ 30.3792, 29.6438,
22.2429

■ 33.1437, 33.3181,
28.8821

■ 36.2532, 37.3629,
36.6216

Harmonies

Analogous

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



24.0048, 13.2646, 5.8061



19.4237, 13.2646, 1.5366



13.7353, 13.2646, 0.5718

Triad

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



19.4237, 13.2646, 1.5366



5.1142, 13.2646, 11.5269



17.0007, 13.2646, 59.0000

Complementary

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



19.4237, 13.2646, 1.5366



12.3925, 12.7167, 41.3360

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.



11.5434, 13.2646, 64.8041



19.4237, 13.2646, 1.5366



5.5469, 13.2646, 29.0267

Square

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



19.4237, 13.2646, 1.5366



6.2051, 13.2646, 3.3204



7.6079, 13.2646, 51.3394



22.3608, 13.2646, 38.5706

Rectangle

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



19.4237, 13.2646, 1.5366



10.4177, 13.2646, 0.6744



7.6079, 13.2646, 51.3394



15.0847, 13.2646, 63.1224

Sweetspot

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



19.4240, 13.2654, 1.5368



54.1646, 52.7630, 39.2636



19.7220, 9.8796, 13.9112



11.3733, 10.9278, 7.6079



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.4240, 13.2654, 1.5368



34.5890, 23.3601, 2.6859



29.0715, 32.5603, 4.7526



8.2613, 8.5275, 8.4239



14.3230, 9.8516, 1.1466



0.4530, 0.3832, 0.0501

Inverse Universe

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



12.3925, 12.7167, 41.3360



21.9781, 22.3420, 73.9598



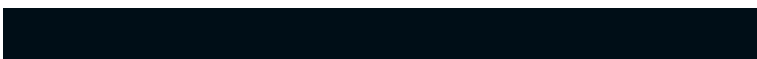
7.7480, 3.4275, 39.7878



7.9603, 8.5201, 10.1777



9.1613, 9.4564, 30.3869



0.3067, 0.3668, 0.8626

Previews

White Background



This preview shows how the XYZ color 19.4237, 13.2646, 1.5366 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 19.4237, 13.2646, 1.5366 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 19.4237, 13.2646, 1.5366

Background



This preview shows how black text looks on a background with the XYZ color 19.4237, 13.2646, 1.5366.



This preview shows how white text looks on a background with the XYZ color 19.4237, 13.2646,

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

19.4237, 13.2646, 1.5366

Protanopia

12.1539, 13.4540, 2.4866

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

20.6437, 13.3242, 7.1140

Trichromacy



Original Color

19.4237, 13.2646, 1.5366

Protanomaly

14.1180, 12.8247, 2.0479

Deuteranomaly

15.3438, 13.0904, 1.7180

Tritanomaly

19.9173, 13.1948, 3.8800

Monochromacy



Original Color

19.4237, 13.2646, 1.5366

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.0640, 10.9503, 5.6155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4237, 13.2646, 1.5366 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(173, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 70, 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(173, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 70, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4237, 13.2646, 1.5366 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(173, 70, 0) }
```


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

```
.border{ border-color:rgb(173, 70, 0) }
```

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

Here you see how a box with a 4 pixel rgb(173, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 70, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4237, 13.2646, 1.5366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 70, 0) }
```

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

```
.background{ background-color: rgb(173, 70,  
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](#).

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