

Converting Colors

XYZ(16.2006, 13.6221, 1.0273)

Have a look what the booklet for
XYZ(16.2006, 13.6221, 1.0273)
contains.

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Color

**XYZ(16.3349, 13.7241,
1.7881)**

Conversions

Conversions Part 1

Format	Color
Hex	975900
RGB	151, 89, 0
RGB Percent	59%, 35%, 0%
CMY	0.4078, 0.6510, 1.0000
CMYK	0.00, 0.41, 1.00, 0.41
HSL	35°, 100%, 30%
HSV	35°, 100%, 59%
XYZ	16.3349, 13.7241, 1.7881
YIQ	97.3920, 65.5210, -14.5350

Conversions

Conversions Part 2

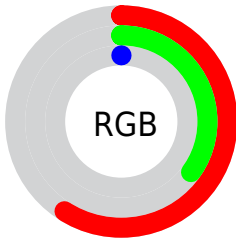
Format	Color
R_{YB}	105, 151, 0
Decimal	9918720
CIE Lab	43.83, 20.08, 52.33
CIE LCh	44, 56.048, 69.004
Yxy	13.7241, 0.5129, 0.4309
Android (android.graphics.Color)	4288108800 (0xFF975900)
YUV	97.3920, -48.0143, 47.0142
Hunter-Lab	37.0461, 13.8763, 23.0705

Details

The XYZ color **16.3349, 13.7241, 1.7881** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.3086, 5.6796, 29.9890**, and the grayscale version is **11.5629, 12.1651, 13.2478**.

A 20% lighter version of the original color is **36.6004, 32.4826, 8.4784**, and **5.4800, 4.1074, 0.5040** is the 20% darker color. If you saturate the color by 10%, you get **16.3350, 13.7245, 1.7881**, and if you desaturate by 10%, it is **16.9600, 14.8354, 2.4255**.

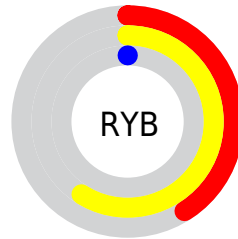
Distribution



Red (59%)

Green (35%)

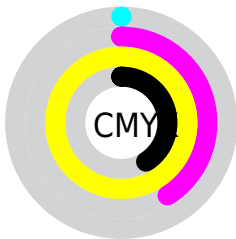
Blue (0%)



Red (41%)

Yellow (59%)

Blue (0%)

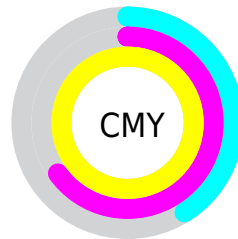


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3349, 13.7241, 1.7881 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 16.3349, 13.7241, 1.7881 by changing the saturation by 10% instead.


 16.3349, 13.7241,
1.7881


 16.3349, 13.7241,
1.7881


 224.5416,
215.5076, 118.9945


 9.8538, 7.9290,
0.4201


 36.7314, 32.5987,
8.4529


 5.3636, 4.0496,
0.0000

 51.3775, 46.4470,
14.6828


 2.4991, 1.7013,
0.0000

 69.4760, 63.7485,
23.4024

 0.8948, 0.4245,
0.0000


 91.3922, 84.8875,
35.0302


 0.0000, 0.0000,
0.0000


 117.4916,
110.2486, 49.9848


 148.1393,


140.2160, 68.6846


 183.7009,
175.1742, 91.5484


 16.3349, 13.7241,
1.7881


 16.3349, 13.7241,
1.7881


 16.3350, 13.7245,
1.7881

 16.9600, 14.8354,
2.4255

 17.6924, 16.0601,
3.4095

 18.5628, 17.4128,
4.8962

 19.5839, 18.9001,
6.9472

 20.7666, 20.5279,
9.6154

■ 22.1205, 22.3014,
12.9471

■ 23.6546, 24.2257,
16.9846

■ 25.3768, 26.3052,
21.7664

■ 27.2947, 28.5444,
27.3281

Harmonies

Analogous

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



20.8320, 13.7241, 4.2584



16.3349, 13.7241, 1.7881



11.7581, 13.7241, 1.4870

Triad

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



16.3349, 13.7241, 1.7881



6.3187, 13.7241, 19.0883



19.1622, 13.7241, 42.9856

Complementary

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



16.3349, 13.7241, 1.7881



7.3086, 5.6796, 29.9890

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.



14.4211, 13.7241, 54.2160



16.3349, 13.7241, 1.7881



7.4889, 13.7241, 36.1110

Square

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



16.3349, 13.7241, 1.7881



6.6066, 13.7241, 7.8050



10.2283, 13.7241, 51.1655



22.7039, 13.7241, 25.4790

Rectangle

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



16.3349, 13.7241, 1.7881



9.3401, 13.7241, 2.1604



10.2283, 13.7241, 51.1655



17.6176, 13.7241, 47.9690

Sweetspot

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



16.3352, 13.7248, 1.7883



42.1874, 43.1696, 29.9437



13.6574, 6.9374, 5.3101



9.3392, 9.5020, 6.1400



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.3352, 13.7248, 1.7883



29.0708, 24.2121, 3.1412



21.6168, 27.5719, 4.1827



6.4961, 6.7973, 6.5755



13.9252, 11.7328, 1.5307



0.2439, 0.2468, 0.0348

Inverse Universe

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



7.3086, 5.6796, 29.9890



12.9177, 9.8295, 53.6501



5.7459, 2.3169, 29.4223



6.0824, 6.4221, 7.8480



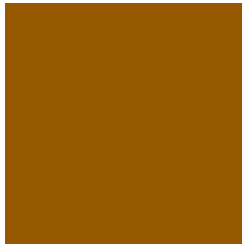
6.2442, 4.8851, 25.5215



0.1279, 0.1421, 0.3931

Previews

White Background



This preview shows how the XYZ color 16.3349, 13.7241, 1.7881 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 16.3349, 13.7241, 1.7881 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 16.3349, 13.7241, 1.7881

Background



This preview shows how black text looks on a background with the XYZ color 16.3349, 13.7241, 1.7881.



This preview shows how white text looks on a background with the XYZ color 16.3349, 13.7241,

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

16.3349, 13.7241, 1.7881

Protanopia

12.5891, 13.9812, 2.3830

Deuteranopia

13.9776, 13.8292, 1.9326



Tritanopia

18.2229, 13.7778, 11.1501

Trichromacy



Original Color

16.3349, 13.7241, 1.7881

Protanomaly

13.7116, 13.6870, 2.1489

Deuteranomaly

14.7397, 13.6734, 1.8624

Tritanomaly

17.1239, 13.5647, 5.5866

Monochromacy



Original Color

16.3349, 13.7241, 1.7881

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.2083, 12.1351, 6.2563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3349, 13.7241, 1.7881 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(151, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 89, 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(151, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 89, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.3349, 13.7241, 1.7881 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(151, 89, 0) }
```


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

```
.border{ border-color:rgb(151, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(151, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3349, 13.7241, 1.7881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 89, 0) }
```

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

```
.background{ background-color: rgb(151, 89,  
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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