

Converting Colors

XYZ(21.4109, 21.1729, 2.9583)

Have a look what the booklet for
XYZ(21.4109, 21.1729, 2.9583)
contains.

| | |
|--|----|
| XYZ(21.3346, 21.1483, 2.9576) | 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(21.3346, 21.1483,
2.9576)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A07900 |
| RGB | 160, 121, 0 |
| RGB Percent | 63%, 47%, 0% |
| CMY | 0.3726, 0.5255, 1.0000 |
| CMYK | 0.00, 0.24, 1.00, 0.37 |
| HSL | 45°, 100%, 31% |
| HSV | 45°, 100%, 63% |
| XYZ | 21.3346, 21.1483, 2.9576 |
| YIQ | 118.8670, 62.0850, -29.3630 |

Conversions

Conversions Part 2

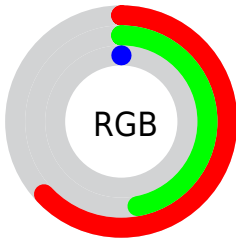
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 52, 160, 0 |
| Decimal | 10516736 |
| CIE _{Lab} | 53.11, 5.97, 59.04 |
| CIE _{LCh} | 53, 59.339, 84.222 |
| Yxy | 21.1483, 0.4695, 0.4654 |
| Android (android.graphics.Color) | 4288706816 (0xFFA07900) |
| YUV | 118.8670, -58.6014, 36.0736 |
| Hunter-Lab | 45.9873, 2.3327, 28.3780 |

Details

The XYZ color **21.3346, 21.1483, 2.9576** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0709, 3.9894, 33.6549**, and the grayscale version is **17.6591, 18.5787, 20.2322**.

A 20% lighter version of the original color is **45.1404, 45.3406, 11.5267**, and **8.0915, 7.7081, 1.0614** is the 20% darker color. If you saturate the color by 10%, you get **21.3348, 21.1488, 2.9577**, and if you desaturate by 10%, it is **21.9122, 22.1539, 3.6118**.

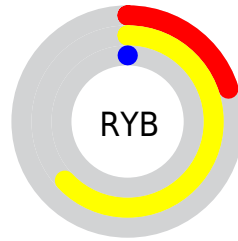
Distribution



Red (63%)

Green (47%)

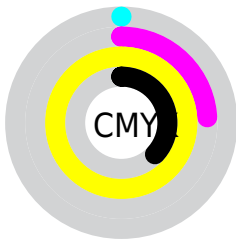
Blue (0%)



Red (20%)

Yellow (63%)

Blue (0%)

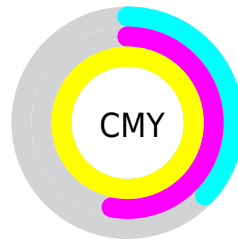


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3346, 21.1483, 2.9576 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 21.3346, 21.1483, 2.9576 by changing the saturation by 10% instead.


 21.3346, 21.1483,
2.9576


 21.3346, 21.1483,
2.9576


251.7496,
258.0656, 135.8188


 13.4827, 13.2324,
1.0730


 45.1308, 45.3342,
11.5236


 7.8410, 7.5888,
0.0000


 61.8058, 62.3731,
19.0422


 4.0443, 3.8330,
0.0000

 82.1526, 83.2217,
29.2758

 1.7272, 1.5806,
0.0000

 106.5364,
108.2645, 42.6430

 0.4732, 0.3445,
0.0000

 135.3226,
137.8859, 59.5624

 0.0000, 0.0000,
0.0000

 168.8767,

172.4703, 80.4524

■ 207.5639,
212.4021, 105.7317

■ 21.3346, 21.1483,
2.9576

■ 21.3346, 21.1483,
2.9576

■ 21.3348, 21.1488,
2.9577

■ 21.9122, 22.1539,
3.6118

■ 22.5824, 23.2267,
4.6601

■ 23.3778, 24.3810,
6.2711

■ 24.3122, 25.6225,
8.5160

■ 25.3972, 26.9564,
11.4556

■ 26.6432, 28.3870,
15.1434

■ 28.0597, 29.9184,
19.6277

■ 29.6551, 31.5545,
24.9526

■ 31.4374, 33.2986,
31.1593

Harmonies

Analogous

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



27.9732, 21.1483, 4.8748



21.3346, 21.1483, 2.9576



15.5645, 21.1483, 3.7452

Triad

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



21.3346, 21.1483, 2.9576



11.0159, 21.1483, 40.2204



31.5055, 21.1483, 49.5636

Complementary

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



21.3346, 21.1483, 2.9576



7.0709, 3.9894, 33.6549

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.



25.4426, 21.1483, 70.8040



21.3346, 21.1483, 2.9576



13.8642, 21.1483, 63.7299

Square

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



21.3346, 21.1483, 2.9576



10.3620, 21.1483, 19.7341



18.9156, 21.1483, 77.0113



34.5765, 21.1483, 26.6670

Rectangle

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



21.3346, 21.1483, 2.9576



12.8333, 21.1483, 6.1251



18.9156, 21.1483, 77.0113



29.6961, 21.1483, 57.5253

Sweetspot

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



21.3351, 21.1494, 2.9580



50.7896, 54.1560, 35.1215



14.8803, 7.6270, 2.6959



10.9096, 11.6327, 6.9667



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.3351, 21.1494, 2.9580



38.5727, 38.0697, 5.3152



20.3168, 29.1347, 4.5530



7.0331, 7.4462, 7.0522



16.6551, 16.5458, 2.3158



0.3283, 0.3568, 0.0516

Inverse Universe

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



7.0709, 3.9894, 33.6549



12.7033, 6.9730, 61.0629



7.2206, 2.9895, 33.4540



6.4095, 6.6848, 8.3592



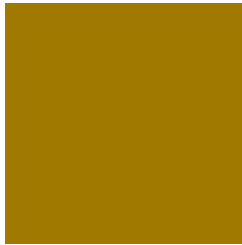
5.5381, 3.1678, 26.2268



0.1289, 0.1163, 0.4789

Previews

White Background



This preview shows how the XYZ color 21.3346, 21.1483, 2.9576 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



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 21.3346, 21.1483, 2.9576

Background



This preview shows how black text looks on a background with the XYZ color 21.3346, 21.1483, 2.9576.



This preview shows how white text looks on a background with the XYZ color 21.3346, 21.1483,

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

21.3346, 21.1483, 2.9576

Protanopia

19.2701, 21.3874, 3.3710

Deuteranopia

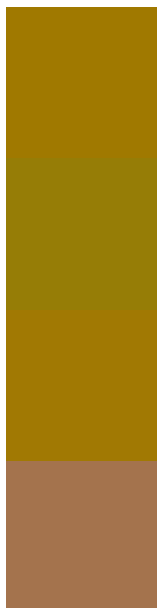
21.5572, 21.2606, 3.0824



Tritanopia

24.9712, 21.0758, 20.8411

Trichromacy



Original Color

21.3346, 21.1483, 2.9576

Protanomaly

19.9442, 21.1644, 3.2063

Deuteranomaly

21.5518, 21.2584, 3.0535

Tritanomaly

22.7801, 20.6898, 9.8141

Monochromacy



Original Color

21.3346, 21.1483, 2.9576

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8525, 19.0231, 9.5684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3346, 21.1483, 2.9576 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(160, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 121, 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(160, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3346, 21.1483, 2.9576 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(160, 121, 0) }
```


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

```
.border{ border-color:rgb(160, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 121,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3346, 21.1483, 2.9576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 121, 0) }
```

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

```
.background{ background-color: rgb(160,  
121, 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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