

Converting Colors

XYZ(16.5898, 15.9797, 2.2329)

Have a look what the booklet for
XYZ(16.5898, 15.9797, 2.2329)
contains.

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Color

**XYZ(16.5587, 16.0346,
2.2510)**

Conversions

Conversions Part 1

Format	Color
Hex	906901
RGB	144, 105, 1
RGB Percent	56%, 41%, 0%
CMY	0.4353, 0.5882, 0.9961
CMYK	0.00, 0.27, 0.99, 0.44
HSL	44°, 99%, 28%
HSV	44°, 99%, 56%
XYZ	16.5587, 16.0346, 2.2510
YIQ	104.8050, 56.6280, -24.0760

Conversions

Conversions Part 2

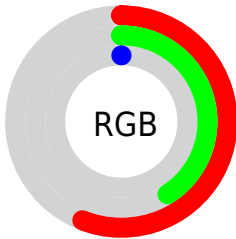
Format	Color
R_{YB}	55, 144, 1
Decimal	9464065
CIE Lab	47.02, 7.62, 53.76
CIE LCh	47, 54.301, 81.937
Yxy	16.0346, 0.4752, 0.4602
Android (android.graphics.Color)	4287654145 (0xFF906901)
YUV	104.8050, -51.1759, 34.3740
Hunter-Lab	40.0432, 3.7378, 24.6973

Details

The XYZ color **16.5587, 16.0346, 2.2510** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.8055, 3.5379, 26.7624**, and the grayscale version is **13.4984, 14.2013, 15.4653**.

A 20% lighter version of the original color is **37.1151, 36.6813, 9.6814**, and **5.6329, 5.1500, 0.6972** is the 20% darker color. If you saturate the color by 10%, you get **16.5256, 15.9773, 2.2129**, and if you desaturate by 10%, it is **17.0520, 16.8875, 2.8282**.

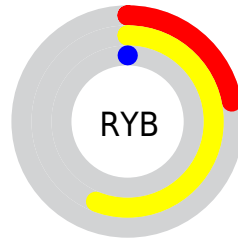
Distribution



Red (56%)

Green (41%)

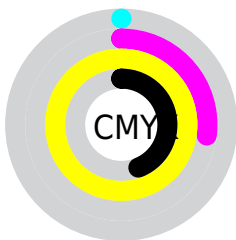
Blue (0%)



Red (22%)

Yellow (56%)

Blue (0%)

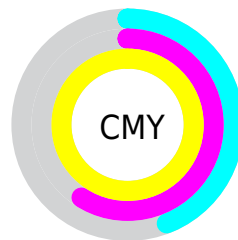


Cyan (0%)

Magenta (27%)

Yellow (99%)

Black (44%)



Cyan (44%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5587, 16.0346, 2.2510 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 16.5587, 16.0346, 2.2510 by changing the saturation by 10% instead.

■ 16.5587, 16.0346,
2.2510

■ 16.5587, 16.0346,
2.2510

225.8225,
229.5458, 126.1601

■ 10.0137, 9.5486,
0.7036

■ 37.1151, 36.6583,
9.7163

■ 5.4704, 5.1007,
0.0000

■ 51.8573, 51.5648,
16.4941

■ 2.5634, 2.3065,
0.0000

■ 70.0625, 70.0469,
25.8599

■ 0.9273, 0.7771,
0.0000


■ 92.0962, 92.4890,
38.2325


■ 0.0000, 0.0000,
0.0000


■ 118.3236,
119.2756, 54.0302


■ 149.1103,


150.7910, 73.6717

 184.8214,
187.4196, 97.5755


 16.5587, 16.0346,
2.2510


 16.5587, 16.0346,
2.2510


 16.5256, 15.9773,
2.2129

 17.0520, 16.8875,
2.8282

 17.6228, 17.8006,
3.7225

 18.2964, 18.7852,
5.0649

 19.0833, 19.8459,
6.9093

 19.9924, 20.9864,
9.3016

■ 21.0318, 22.2106,
12.2828

■ 22.2086, 23.5214,
15.8898

■ 23.5295, 24.9220,
20.1565

■ 25.0007, 26.4152,
25.1143

Harmonies

Analogous

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



21.5984, 16.0346, 3.8956



16.5587, 16.0346, 2.2510



12.0746, 16.0346, 2.6950

Triad

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



16.5587, 16.0346, 2.2510



8.2373, 16.0346, 29.1769



23.6284, 16.0346, 39.0801

Complementary

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



16.5587, 16.0346, 2.2510



5.8055, 3.5379, 26.7624

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.



18.9162, 16.0346, 54.7342



16.5587, 16.0346, 2.2510



10.2714, 16.0346, 47.2402

Square

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



16.5587, 16.0346, 2.2510



7.8640, 16.0346, 14.0387



13.9940, 16.0346, 58.3148



26.1990, 16.0346, 21.3939

Rectangle

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



16.5587, 16.0346, 2.2510



9.9119, 16.0346, 4.3291



13.9940, 16.0346, 58.3148



22.2009, 16.0346, 45.0662

Sweetspot

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



16.5591, 16.0354, 2.2513



38.8838, 41.1735, 27.1245



11.9219, 6.1149, 2.6978



8.7332, 9.2393, 5.6514



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.5591, 16.0354, 2.2513



29.0038, 27.8933, 3.8553



16.7911, 23.4606, 3.6723



5.7169, 6.0401, 5.7539



14.4109, 13.9536, 1.9338



0.1561, 0.1701, 0.0246

Inverse Universe

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



5.8055, 3.5379, 26.7624



10.0525, 5.8988, 47.1468



5.6403, 2.3424, 26.5404



5.2419, 5.4795, 6.8101



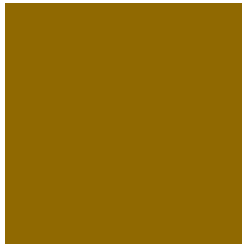
5.0409, 3.0678, 23.3035



0.0646, 0.0621, 0.2283

Previews

White Background



This preview shows how the XYZ color 16.5587, 16.0346, 2.2510 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 16.5587, 16.0346, 2.2510 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 16.5587, 16.0346, 2.2510

Background



This preview shows how black text looks on a background with the XYZ color 16.5587, 16.0346, 2.2510.



This preview shows how white text looks on a background with the XYZ color 16.5587, 16.0346,

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

16.5587, 16.0346, 2.2510

Protanopia

14.4422, 16.0415, 2.5649

Deuteranopia

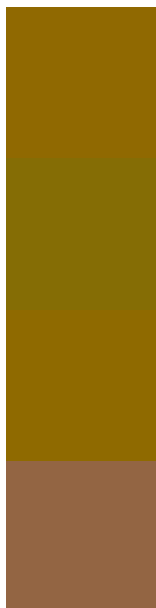
16.3094, 16.0589, 2.2401



Tritanopia

19.3119, 16.1448, 15.4630

Trichromacy



Original Color

16.5587, 16.0346, 2.2510

Protanomaly

15.1689, 15.9348, 2.4198

Deuteranomaly

16.4817, 16.1477, 2.2481

Tritanomaly

17.6994, 15.9157, 7.4494

Monochromacy



Original Color

16.5587, 16.0346, 2.2510

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.6724, 14.4303, 7.3749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5587, 16.0346, 2.2510 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(144, 105, 1)` looks like.

```
.text, #text, p{  
    color:rgb(144, 105, 1)  
}
```

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(144, 105, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 105, 1) }
```

Border

The CSS property to change the border of an element to XYZ 16.5587, 16.0346, 2.2510 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(144, 105, 1) }
```


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

```
.border{ border-color:rgb(144, 105, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 105, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 105, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 105, 1);  
box-shadow:4px 4px 4px 4px rgb(144, 105,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5587, 16.0346, 2.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 105, 1) }
```

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

```
.background{ background-color: rgb(144,  
105, 1) }
```

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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