

Converting Colors

XYZ(14.6465, 12.1398, 1.8305)

Have a look what the booklet for
XYZ(14.6465, 12.1398, 1.8305)
contains.

XYZ(14.6442, 12.1355, 1.8290)	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(14.6442, 12.1355,
1.8290)**

Conversions

Conversions Part 1

Format	Color
Hex	905309
RGB	144, 83, 9
RGB Percent	56%, 33%, 4%
CMY	0.4353, 0.6745, 0.9647
CMYK	0.00, 0.42, 0.94, 0.44
HSL	33°, 88%, 30%
HSV	33°, 94%, 56%
XYZ	14.6442, 12.1355, 1.8290
YIQ	92.8030, 60.1100, -10.0820

Conversions

Conversions Part 2

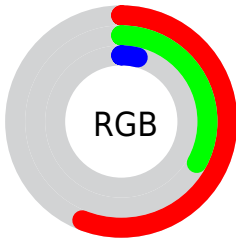
Format	Color
R_{YB}	120, 144, 9
Decimal	9458441
CIE _{Lab}	41.43, 20.50, 47.80
CIE _{LCh}	41, 52.009, 66.784
Yxy	12.1355, 0.5119, 0.4242
Android (android.graphics.Color)	4287648521 (0xFF905309)
YUV	92.8030, -41.3149, 44.8998
Hunter-Lab	34.8360, 14.0738, 21.2723

Details

The XYZ color **14.6442, 12.1355, 1.8290** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.3369, 6.4520, 27.2442**, and the grayscale version is **10.4424, 10.9862, 11.9639**.

A 20% lighter version of the original color is **33.8856, 29.8194, 8.5272**, and **4.6861, 3.3978, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **14.2929, 11.5120, 1.4687**, and if you desaturate by 10%, it is **15.2753, 13.2228, 2.5792**.

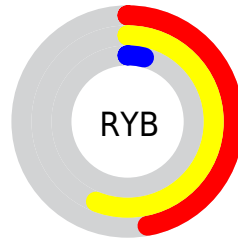
Distribution



Red (56%)

Green (33%)

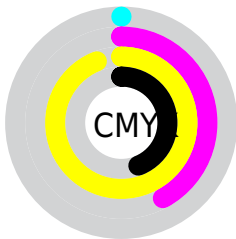
Blue (4%)



Red (47%)

Yellow (56%)

Blue (4%)

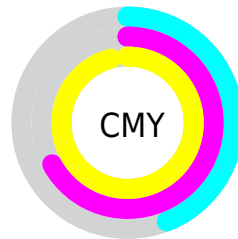


Cyan (0%)

Magenta (42%)

Yellow (94%)

Black (44%)



Cyan (44%)

Magenta (67%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6442, 12.1355, 1.8290 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 14.6442, 12.1355, 1.8290 by changing the saturation by 10% instead.

14.6442, 12.1355,
1.8290

14.6442, 12.1355,
1.8290

214.6338,
205.3003, 119.6623

8.6547, 6.8360,
0.4470

33.8046, 29.7417,
8.5678

4.5720, 3.3598,
0.0000

47.7062, 42.8171,
14.8487

2.0305, 1.3223,
0.0000

64.9760, 59.2534,
23.6286

0.6510, 0.1584,
0.0000


85.9792, 79.4348,
35.3260


0.0000, 0.0000,
0.0000


111.0812,
103.7458, 50.3596


140.6474,


132.5708, 69.1478


 175.0432,
166.2942, 92.1092


 14.6442, 12.1355,
1.8290

 14.6442, 12.1355,
1.8290


 14.2929, 11.5120,
1.4687

 15.2753, 13.2228,
2.5792

 16.0327, 14.4368,
3.7587

 16.9290, 15.7850,
5.4275

 17.9747, 17.2734,
7.6348

 19.1790, 18.9075,
10.4240

■ 20.5503, 20.6924,
13.8339

■ 22.0963, 22.6327,
17.8999

■ 23.8243, 24.7331,
22.6547

■ 25.7408, 26.9976,
28.1290

Harmonies

Analogous

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



18.3917, 12.1355, 4.2561



14.6442, 12.1355, 1.8290



10.6968, 12.1355, 1.4470

Triad

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



14.6442, 12.1355, 1.8290



5.7166, 12.1355, 15.8287



16.4584, 12.1355, 37.8875

Complementary

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



14.6442, 12.1355, 1.8290



7.3369, 6.4520, 27.2442

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.



12.4147, 12.1355, 46.5469



14.6442, 12.1355, 1.8290



6.6366, 12.1355, 30.0134

Square

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



14.6442, 12.1355, 1.8290



6.0601, 12.1355, 6.5880



8.8994, 12.1355, 43.0714



19.5889, 12.1355, 23.2378

Rectangle

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



14.6442, 12.1355, 1.8290



8.5587, 12.1355, 1.9795



8.8994, 12.1355, 43.0714



15.1305, 12.1355, 41.8782

Sweetspot

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



14.6445, 12.1361, 1.8292



37.6174, 38.2323, 27.9614



12.7691, 6.5926, 6.7307



8.3871, 8.4652, 5.7884



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.



14.6445, 12.1361, 1.8292



25.0416, 19.9687, 2.5345



20.7537, 25.4983, 4.0864



5.6385, 5.8832, 5.7278



12.4703, 10.0722, 1.2869



0.1413, 0.1404, 0.0197

Inverse Universe

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



7.3369, 6.4520, 27.2442



12.0577, 9.9091, 47.8152



5.3053, 2.2985, 26.5495



5.3177, 5.6312, 6.8354



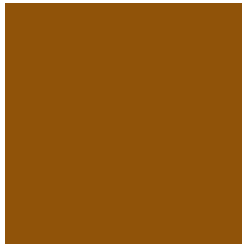
6.0560, 5.0980, 23.6419



0.0794, 0.0918, 0.2332

Previews

White Background



This preview shows how the XYZ color 14.6442, 12.1355, 1.8290 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

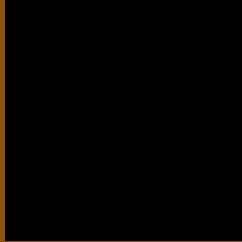
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6442, 12.1355, 1.8290

Background



This preview shows how black text looks on a background with the XYZ color 14.6442, 12.1355, 1.8290.



This preview shows how white text looks on a background with the XYZ color 14.6442, 12.1355,

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

14.6442, 12.1355, 1.8290

Protanopia

11.1036, 12.3377, 2.2481

Deuteranopia

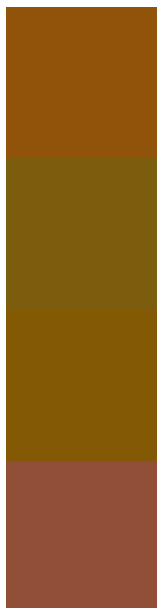
12.2265, 12.1138, 1.6938



Tritanopia

16.2478, 12.1353, 9.6696

Trichromacy



Original Color

14.6442, 12.1355, 1.8290

Protanomaly

12.1554, 12.0687, 2.0696

Deuteranomaly

12.9489, 11.9766, 1.7154

Tritanomaly

15.3639, 11.9885, 5.2456

Monochromacy



Original Color

14.6442, 12.1355, 1.8290

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.1240, 10.9373, 6.0822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6442, 12.1355, 1.8290 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, 83, 9)` looks like.

```
.text, #text, p{  
    color:rgb(144, 83, 9)  
}
```

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, 83, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 83, 9) }
```

Border

The CSS property to change the border of an element to XYZ 14.6442, 12.1355, 1.8290 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, 83, 9) }
```


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

```
.border{ border-color:rgb(144, 83, 9) }
```

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

Here you see how a box with a 4 pixel rgb(144, 83, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 83, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 83, 9);  
box-shadow:4px 4px 4px 4px rgb(144, 83, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.6442, 12.1355, 1.8290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 83, 9) }
```

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

```
.background{ background-color: rgb(144, 83,  
9) }
```

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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