

Converting Colors

XYZ(12.3650, 8.6010, 1.4733)

Have a look what the booklet for
XYZ(12.3650, 8.6010, 1.4733)
contains.

XYZ(12.4145, 8.6361, 1.4645)	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(12.4145, 8.6361,
1.4645)**

Conversions

Conversions Part 1

Format	Color
Hex	8C3A0F
RGB	140, 58, 15
RGB Percent	55%, 23%, 6%
CMY	0.4510, 0.7725, 0.9412
CMYK	0.00, 0.59, 0.89, 0.45
HSL	21°, 81%, 30%
HSV	21°, 89%, 55%
XYZ	12.4145, 8.6361, 1.4645
YIQ	77.6160, 62.6750, 4.0110

Conversions

Conversions Part 2

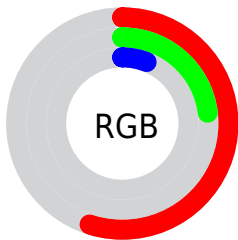
Format	Color
RYB	140, 81, 15
Decimal	9189903
CIELab	35.27, 32.68, 40.84
CIElCh	35, 52.305, 51.334
Yxy	8.6361, 0.5514, 0.3836
Android (android.graphics.Color)	4287379983 (0xFF8C3A0F)
YUV	77.6160, -30.8697, 54.7108
Hunter-Lab	29.3872, 23.9788, 17.6164

Details


The XYZ color **12.4145, 8.6361, 1.4645** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.2047, 10.5432, 26.3606**, and the grayscale version is **7.2175, 7.5934, 8.2692**.

A 20% lighter version of the original color is **29.7853, 23.2150, 7.4685**, and **3.6433, 1.9910, 0.1923** is the 20% darker color. If you saturate the color by 10%, you get **11.9115, 7.7594, 0.8986**, and if you desaturate by 10%, it is **13.0553, 9.7009, 2.3468**.

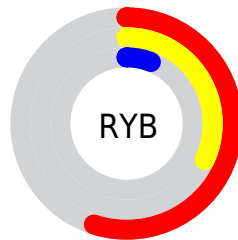
Distribution



 Red (55%)

 Green (23%)

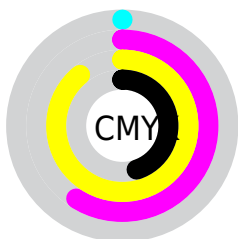
 Blue (6%)





 Red (55%)

 Yellow (32%)

 Blue (6%)

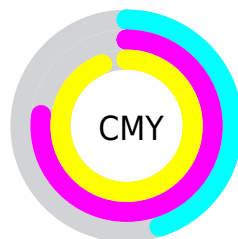



 Cyan (0%)


 Magenta (59%)

 Yellow (89%)

 Black (45%)



 Cyan (45%)


 Magenta (77%)

 Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4145, 8.6361, 1.4645 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 12.4145, 8.6361, 1.4645 by changing the saturation by 10% instead.


 12.4145, 8.6361,
1.4645


 12.4145, 8.6361,
1.4645


 200.8448,
180.6395, 113.4127


 7.1008, 4.5046,
0.1913


 29.8582, 23.1963,
7.5170


 3.5721, 1.9596,
0.0000

 42.7189, 34.3939,
13.3215


 1.4630, 0.5839,
0.0000

 58.8260, 48.7155,
21.5363

 0.3005, 0.0000,
0.0000

 78.5448, 66.5457,
32.5799


 0.0000, 0.0000,
0.0000


 102.2408, 88.2688,
46.8707


 130.2792,


114.2692, 64.8275


 163.0254,
144.9313, 86.8686


 12.4145, 8.6361,
1.4645


 12.4145, 8.6361,
1.4645


 11.9115, 7.7594,
0.8986


 13.0553, 9.7009,
2.3468

 11.8789, 7.7029,
0.8607

 13.8613, 10.9702,
3.6724

 14.8461, 12.4556,
5.4926

 16.0212, 14.1678,
7.8515

 17.3973, 16.1163,
10.7881

■ 18.9841, 18.3101,
14.3379

■ 20.7908, 20.7578,
18.5335

■ 22.8257, 23.4674,
23.4052

■ 25.0969, 26.4468,
28.9811

Harmonies

Analogous

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



14.9216, 8.6361, 4.5444



12.4145, 8.6361, 1.4645



9.1182, 8.6361, 0.6368

Triad

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



12.4145, 8.6361, 1.4645



3.6898, 8.6361, 7.1058



10.5163, 8.6361, 35.0928

Complementary

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



12.4145, 8.6361, 1.4645



9.2047, 10.5432, 26.3606

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.



7.3611, 8.6361, 37.4364



12.4145, 8.6361, 1.4645



3.8886, 8.6361, 16.8761

Square

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



12.4145, 8.6361, 1.4645



4.4470, 8.6361, 2.3550



5.0790, 8.6361, 29.3830



13.6515, 8.6361, 24.1613

Rectangle

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



12.4145, 8.6361, 1.4645



7.1155, 8.6361, 0.6664



5.0790, 8.6361, 29.3830



9.4078, 8.6361, 37.0985

Sweetspot

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



12.4147, 8.6366, 1.4646



33.9891, 32.9904, 26.4659



13.2063, 6.8052, 12.2554



7.6267, 7.3212, 5.6298



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.4147, 8.6366, 1.4646



20.8062, 13.3067, 1.4718



17.5180, 18.8431, 3.1657



5.1644, 5.3117, 5.3055



10.5721, 6.8785, 0.7705



0.0829, 0.0710, 0.0093

Inverse Universe

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



9.2047, 10.5432, 26.3606



14.9139, 16.4749, 46.1369



5.5564, 3.2467, 25.1445



5.0304, 5.4037, 6.3837



7.6126, 8.4955, 23.2842



0.0643, 0.0838, 0.1592

Previews

White Background



This preview shows how the XYZ color 12.4145, 8.6361, 1.4645 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.4145, 8.6361, 1.4645

Background



This preview shows how black text looks on a background with the XYZ color 12.4145, 8.6361, 1.4645.



This preview shows how white text looks on a background with the XYZ color 12.4145, 8.6361,

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

12.4145, 8.6361, 1.4645

Protanopia

7.9312, 8.7783, 2.0354

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

13.0674, 8.6065, 4.9755

Trichromacy



Original Color

12.4145, 8.6361, 1.4645

Protanomaly

9.1892, 8.4587, 1.7645

Deuteranomaly

9.8160, 8.4972, 1.2664

Tritanomaly

12.7686, 8.5623, 3.1702

Monochromacy



Original Color

12.4145, 8.6361, 1.4645

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.3097, 7.5490, 4.6336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4145, 8.6361, 1.4645 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(140, 58, 15)` looks like.

```
.text, #text, p{  
  color:rgb(140, 58, 15)  
}
```

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(140, 58, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 58, 15) }
```

Border

The CSS property to change the border of an element to XYZ 12.4145, 8.6361, 1.4645 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(140, 58, 15) }
```


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

```
.border{ border-color:rgb(140, 58, 15) }
```

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

Here you see how a box with a 4 pixel rgb(140, 58, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 58, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 58, 15);  
box-shadow:4px 4px 4px 4px rgb(140, 58,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4145, 8.6361, 1.4645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 58, 15) }
```

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

```
.background{ background-color: rgb(140, 58,  
15) }
```

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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