

Converting Colors

XYZ(14.8056, 10.0623, 31.6423)

Have a look what the booklet for
XYZ(14.8056, 10.0623, 31.6423)
contains.

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Color

**XYZ(14.8393, 10.0447,
31.7286)**

Conversions

Conversions Part 1

Format	Color
Hex	72449A
RGB	114, 68, 154
RGB Percent	45%, 27%, 60%
CMY	0.5529, 0.7333, 0.3961
CMYK	0.26, 0.56, 0.00, 0.40
HSL	272°, 39%, 44%
HSV	272°, 56%, 60%
XYZ	14.8393, 10.0447, 31.7286
YIQ	91.5580, -0.1900, 36.4980

Conversions

Conversions Part 2

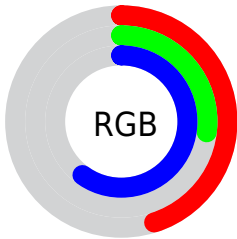
Format	Color
R_{YB}	114, 68, 154
Decimal	7488666
CIE _{Lab}	37.92, 36.81, -39.63
CIE _{LCh}	38, 54.083, 312.889
Yxy	10.0447, 0.2621, 0.1774
Android (android.graphics.Color)	4285678746 (0xFF72449A)
YUV	91.5580, 30.7839, 19.6816
Hunter-Lab	31.6934, 28.1129, -37.1705

Details

The XYZ color **14.8393, 10.0447, 31.7286** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **18.7834, 26.7169, 9.6360**, and the grayscale version is **10.0033, 10.5243, 11.4610**.

A 20% lighter version of the original color is **34.1355, 25.8851, 63.5188**, and **4.6350, 2.4838, 12.8055** is the 20% darker color. If you saturate the color by 10%, you get **13.1319, 7.9590, 31.4162**, and if you desaturate by 10%, it is **16.8651, 12.6581, 32.1264**.

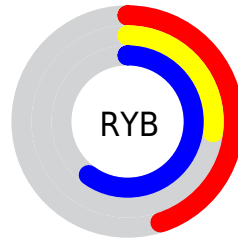
Distribution



Red (45%)

Green (27%)

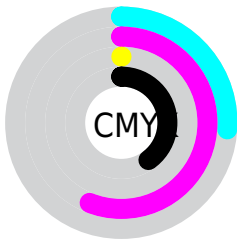
Blue (60%)



Red (45%)

Yellow (27%)

Blue (60%)

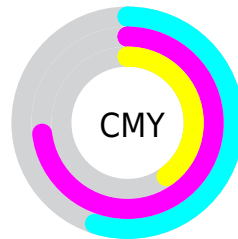


Cyan (26%)

Magenta (56%)

Yellow (0%)

Black (40%)



Cyan (55%)

Magenta (73%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8393, 10.0447, 31.7286 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 14.8393, 10.0447, 31.7286 by changing the saturation by 10% instead.

■ 14.8393, 10.0447,
31.7286

■ 14.8393, 10.0447,
31.7286

215.7992,
190.9908, 324.3356

■ 8.7923, 5.4286,
20.8912

■ 34.1450, 25.8795,
63.4783

■ 4.6620, 2.5009,
12.8540

■ 48.1344, 37.8671,
85.2277

■ 2.0830, 0.8771,
7.1986

■ 65.5019, 53.0806,
111.4515

■ 0.6800, 0.0000,
3.5063

■ 86.6129, 71.9044,
142.5683

■ 0.0000, 0.0000,
1.3586

■ 111.8328, 94.7229,
178.9965

■ 0.0000, 0.0000,
0.1091

141.5269,

■ 0.0000, 0.0000,

121.9206, 221.1548

0.0000

176.0606,
153.8817, 269.4617

■ 14.8393, 10.0447,
31.7286

■ 14.8393, 10.0447,
31.7286

■ 13.1319, 7.9590,
31.4162

■ 16.8651, 12.6581,
32.1264

■ 11.7205, 6.3598,
31.1819

■ 19.2273, 15.8339,
32.6149

■ 10.5811, 5.2013,
31.0183

■ 21.9436, 19.6049,
33.1997

■ 9.6806, 4.4199,
30.9150

■ 25.0302, 24.0013,
33.8856

■ 9.3451, 4.1438,
30.8794

■ 28.5021, 29.0509,
34.6772

■ 32.3736, 34.7801,
35.5790

■ 36.6581, 41.2136,
36.5950

■ 41.3683, 48.3748,
37.7290

■ 46.5164, 56.2862,
38.9847

Harmonies

Analogous

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



11.1124, 10.0447, 42.0884



14.8393, 10.0447, 31.7286



17.4384, 10.0447, 17.5687

Triad

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



14.8393, 10.0447, 31.7286



11.6453, 10.0447, 0.9574



4.4127, 10.0447, 15.7712

Complementary

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



14.8393, 10.0447, 31.7286



18.7834, 26.7169, 9.6360

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.



4.4891, 10.0447, 6.2276



14.8393, 10.0447, 31.7286



8.1363, 10.0447, 0.8853

Square

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



14.8393, 10.0447, 31.7286



15.3099, 10.0447, 2.4110



5.6917, 10.0447, 2.0661



5.4494, 10.0447, 29.7492

Rectangle

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



14.8393, 10.0447, 31.7286



17.8700, 10.0447, 10.0027



5.6917, 10.0447, 2.0661



4.3181, 10.0447, 11.9276

Sweetspot

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



14.8397, 10.0451, 31.7288



44.5854, 42.3296, 61.3568



13.5935, 14.3156, 32.6188



9.8504, 9.2355, 13.8338



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.8397, 10.0451, 31.7288



23.1651, 13.6518, 56.9504



20.9905, 13.2432, 30.7851



6.1841, 6.1808, 7.7960



7.6553, 3.3975, 25.1600



0.1564, 0.0724, 0.3781

Inverse Universe

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



18.1005, 12.0872, 15.5663



30.1642, 18.0243, 22.7467



15.0728, 24.7936, 9.9303



6.3223, 6.2681, 7.0776



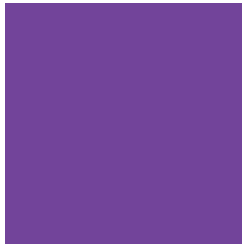
11.8182, 5.9815, 5.5678



0.1948, 0.0967, 0.1787

Previews

White Background



This preview shows how the XYZ color 14.8393, 10.0447, 31.7286 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 14.8393, 10.0447, 31.7286 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 14.8393, 10.0447, 31.7286

Background



This preview shows how black text looks on a background with the XYZ color 14.8393, 10.0447, 31.7286.



This preview shows how white text looks on a background with the XYZ color 14.8393, 10.0447,

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

14.8393, 10.0447, 31.7286

Protanopia

11.8261, 10.2846, 40.8970

Deuteranopia

10.3476, 10.1352, 29.8447



Tritanopia

10.7303, 10.1359, 11.2884

Trichromacy



Original Color

14.8393, 10.0447, 31.7286

Protanomaly

12.0663, 9.6838, 37.3096

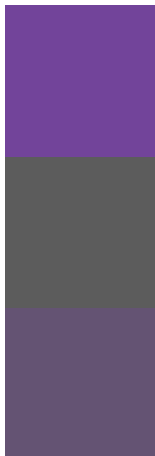
Deuteranomaly

11.3509, 9.6854, 30.5494

Tritanomaly

11.8966, 9.9327, 17.2098

Monochromacy



Original Color

14.8393, 10.0447, 31.7286

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.4433, 10.1336, 17.5725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8393, 10.0447, 31.7286 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(114, 68, 154)` looks like.

```
.text, #text, p{  
    color:rgb(114, 68, 154)  
}
```

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(114, 68, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 68, 154) }
```

Border

The CSS property to change the border of an element to XYZ 14.8393, 10.0447, 31.7286 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(114, 68, 154) }
```


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

```
.border{ border-color:rgb(114, 68, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 68, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 68, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 68, 154); box-shadow:4px 4px 4px 4px rgb(114, 68, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8393, 10.0447, 31.7286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 68, 154) }
```

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

```
.background{ background-color: rgb(114, 68,  
154) }
```

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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